

Date of Issue: Apr 2026

## Product Regulatory Certificate

|                                  |  |
|----------------------------------|--|
| Product Name:                    | InnoPlus HD3502C   |
| Chemical Name and Synonyms:      | Polyethylene   |
| CAS Number:                      | 9002-88-4 Polyethylene   |
| Formula:                         | (CH <sub>2</sub> -CH <sub>2</sub> ) <sub>n</sub>   |
| Typical Application:             | InnoPlus HD3502C is recommended for beverage caps for drinking and mineral water.  |
| Company Identification/Supplier: | <b>PTT Global Chemical Public Company Limited</b><br>555/1, Energy Complex, Building A, 18 <sup>th</sup> Floor, Vibhavadi Rangsit Road, Chatuchak, Chatuchak, Bangkok, 10900, Thailand |

### i) Chemical Inventories

This product is used the chemicals or ingredients which comply with following chemical inventories:

European Union: European Inventory of Existing Commercial Chemical Substances (EINECS)

United States: Toxics Substances Control Act Inventory (TSCA)

Canada: Domestic and Non-Domestic Substances List (DSL/NDSL)

Australia: Australian Inventory of Industrial Chemicals (AIIC)

New Zealand: New Zealand Inventory of Chemicals (NZIoC)

Korea: Korean Existing Chemicals Inventory (KECI)

Japan: Japanese Inventory of Existing and New Chemical Substances (ENCS)

China: China Inventory of Existing Chemical Substances (IECSC)

Philippine: Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Taiwan: National Existing Chemical Inventory (NECI)

Thailand: Thailand Existing Chemicals Inventory (TECI)

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## ii) REACH (Regulation (EC) No.1907/2006)

Polymer and additives of this product are not listed in candidate chemicals proposed to be Substances of Very High Concern (SVHC). The list SVHCs can be found as following link below, <https://echa.europa.eu/candidate-list-table> (updated on 04/02/2026). Moreover, polymer molecules are generally regarded as representing a low concern due to their high molecular weight, this group of substances is exempted from registration and evaluation under REACH. Nonetheless, manufacturers or importers of polymers in supply chain may still be required to register the monomers. We recommend you to consult in detail for further clarification concerning your own obligations related to the REACH legislation.

## iii) Food Contact

### China Food Contact Regulation

This product complies with the relevant requirements of GB4806.1-2016 "National Food Safety Standard: General Safety Requirements for Food Contact Materials and Articles" under GB31603-2015 "National Food Safety Standard: General Health Code for Production of Food-contacted Material and Products". The additives of this product are listed in GB9685-2016 "National Food Safety Standard: Standard for the Use of Additives in Food Contact Materials and Articles". This product complies with GB4806.7-2023 "National Food Safety Standard: Plastic Materials and Products for Food Contact".

### European Union (EU) Food Contact

Monomers & Additives of this resin are listed in Commission Regulation (EU) No. 10/2011 of January 14, 2011 on plastic materials and articles intended to come into contact with food and its amendments; Commission Regulation (EU) 321/2011, Commission Regulation (EU) No. 1282/2011, Corrigendum to Regulation (EU) 1183/2012, Commission Regulation (EU) 1183/2012, Commission Regulation (EU) 202/2014, Commission Regulation (EU) No. 2015/174, Commission Regulation (EU) No. 2016/1416, Commission Regulation (EU) No. 2017/752, Commission Regulation (EU) No.2018/79, Commission Regulation (EU) No.2018/213, Commission Regulation (EU) No.2018/831, Commission Regulation (EU)

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No. 2019/37, Commission Regulation (EU) No.2019/1338, Commission Regulation (EU) No.2020/1245, Commission Regulation (EU) 2023/1442, Commission Regulation (EU) 2023/1627, Commission Regulation (EU) 2024/3190, Commission Regulation (EU) 2025/351, Commission Regulation (EU) 2026/245, and Commission Regulation (EU) 2026/250. This product complies with overall migration limit and specific migration of heavy metal limit as well.

This product complies with the relevant requirements in Regulation (EC) No 1935/2004 and Regulation (EC) No 2023/2006 (Good Manufacturing Practice).

### US Food and Drug Administration (FDA)

This product is complied with the Food and Drug Administration (FDA) Specifications according to U.S. FDA 21 Code of Federal Regulations part 177.1520 (c) (2.1).

### Japan Chemical Innovation and Inspection Institute (JCII)

This product and its composition are complied with the Japan Chemical Innovation and Inspection Institute (JCII) certification with registration number [A]EZar-15749-L.

### Organoleptic Properties

This product is passed the sensorial examination odor and taste test according to German food, articles of daily use and feed code of September 1, 2005 (LFGB), section 31.

## iv) RoHS

This product is complied with EU Directive 2011/65/EU and its subsequent amendments. It is not intended to used Cadmium, Hexavalent Chromium, Lead, Mercury, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Bis (2-ethylhexyl) Phthalate (DEHP), Butyl Benzyl Phthalate (BBP), Dibutyl Phthalate (DBP) or Diiso Butyl Phthalate (DIBP) as raw materials in its recipe/ manufacturing process.

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## v) Hazardous Substances

### Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)/“Mad Cow”

The derived from animal sources are not intentionally used in this product recipe.

### California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

We hereby certify that polymer & additives of this product are not the chemicals listed in California Proposition 65 implemented by “The office of Environmental Health Hazard Assessment of California Environmental Protection Agency”, in this product recipe. There is no significant risk for cancer to California people from this product. (Updated on 5.12.2025)

### Coalition of Northeastern Governors (CONEG)

We hereby certify that we do NOT intend to use lead, mercury, cadmium and hexavalent chromium in this product recipe. Furthermore, this product meets the CONEG requirement of less than 100 ppm for total incidental lead, mercury, cadmium and hexavalent chromium.

### Commission Decision (2009/251/EC)

According to the requirement of Member States (2009/251/EC) to ensure that products containing the biocide dimethylfumarate (DMF) are not placed or made available on the market. This product is not intentionally manufactured with DMF in its recipe.

### Directive 2000/53/EC End of Life Vehicle and its following amendments

The quantity of Cd, Pb, Cr(VI) and Hg present in this product are in compliance with 2005/673/EC, amending Annex II of Directive 2000/53/EC of the European Parliament and of the Council on end-of-life vehicles. A maximum concentration value up to 0.1 % by weight and per homogeneous material, for lead, hexavalent chromium and mercury and up to 0.01 % by weight per homogeneous material for cadmium shall be tolerated.

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## Directive 94/62/EC, Regulation (EU) 2025/40, and Regulation (EU) 2024/3190

According to EU Directive 94/62/EC and Regulation (EU) 2025/40 polymer and additives of this product are not Cadmium, Hexavalent Chromium, Lead, Mercury, Per- and polyfluoroalkyl substances (PFAS), Bisphenol A (BPA), recycled materials, compostable & biodegradable material.

## Directive 2003/89/EC Food Allergens

We do NOT intend to use food allergenic substances listed in Appendix II following European, United State and Japan food allergens listed in this product recipe.

## Nuclear Radioactive Materials

We hereby certify that we do NOT intend to use Radioactive Materials; source materials (uranium and thorium), special nuclear materials (enriched uranium and plutonium) and byproduct materials (materials that is made radioactive in reactor, and residue from the milling of uranium and thorium), in this product recipe.

## Ozone Depleting Substances

Ozone depleting substances listed in Annex I and II in the Regulation (EC) No 1005/2009 of The European Parliament and of the Council of 16 September 2009 and listed as class I & II substances by the US Clean Air Act on substances that deplete the ozone layer are not intentionally used in the product recipe and manufacturing process.

## Regulation (EC) no. 1895/2005

BADGE, NOGE and BFDGE are not intentionally use in this product formulation and manufacturing process according to the requirement of Regulation (EC) No. 1895/2005.

## Regulation (EC) no. 2022/1616

We would be pleased you to ensure that this product has not been produced from recycled plastics materials.

## vi) TIS 816-2565

This product and its manufacturer have been assessed and found to be conforming to the requirements of Thailand Industrial Standard: TIS 816-2565 for Polyethylene resins.

## vii) GHPs & HACCP

The manufacturing of InnoPlus product which used to produce food packaging is certified for GHPs&HACCP standard according to Codex Alimentarius by Management System Certification Institute(Thailand).

## viii) Halal

This product and its manufacturer have been certified Halal by The Halal Standard Institute of Thailand.

## ix) Other regulations

### Animal Derived Material

We do NOT intend to use animal derived material in this product recipe.

### Bisphenol Group

We do NOT intend to use Bisphenol Group in this product recipe listed on attached document in Appendix III.

### Per-and Polyfluoroalkyl Substances (PFAS) and their derivatives

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We do NOT intend to use Per-and Polyfluoroalkyl Substances (PFAS), Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS), Perfluoroalkyl Carboxylic Acids (PFCA), Perfluorohexane sulfonic acid (PFHxS), Pefluorohexanoic acid (PFHxA) in this product recipe.

### Halogenated Flame Retardant

We do NOT intend to use halogenated or phosphorous based flame retardants in this product recipe.

### Natural Rubber or Latex

We do NOT intend to use Natural Rubber Latex, Dry Natural Rubber and Synthetic Latex in this product recipe.

### Tallow

We do NOT intend to use Tallow derived additives in this product recipe.

### Phthalates

We do NOT intend to use phthalates, including di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), diisobutyl phthalate (DIBP), di-n-pentyl phthalate (DNPP or DPENP), di-n-hexyl phthalate (DHEXP or DHP), and dicyclohexyl phthalate (DCHP) Dimethyl phthalate (DMP), Diethyl Phthalate (DEP), Diallyl Phthalate (DAP), Bis(2-methoxyethyl) phthalate (DMEP), Bis(4-methylpentyl)phthalate (BMPP), Bis(2-ethoxyethyl) phthalate (DEEP), Dipentyl phthalate (DPP), Dihexyl phthalate (DHXP), Bis(2-butoxyethyl) phthalate (DBEP), Diphenyl phthalate (DPhP), Dinonyl phthalate (DNP) in this product.

### Toys

Relating to restrictions on the marketing and use of certain dangerous substances and preparations (phthalates in toys and childcare articles) in Directive 76/769/EEC and its amendment 2005/84/EC, we would like to inform that we do not intend to use Phthalates in this product formulation.

### Drug Master File (DMF)

We do not confirm this product will be complied with US FDA Drug Master File.

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## European Pharmacopoeia (EP)

This product has not been tested under European Pharmacopoeia guidelines.

## US Pharmacopoeia (USP)

This product has not been tested under united Stated Pharmacopoeia guidelines.

## Kosher

Although no animal fat and no animal derived materials used in this product, we do not certify the resin to be Kosher or in compliance with Kosher requirements.

## Conflict Minerals

We do NOT intend to use tin, tantalum, tungsten and gold (3TG) in this product recipe and manufacturing process.

## Food Allergens and Food Sensitivity

We do not intend to use Genetically Modified Organisms (GMOs) and food allergens listed on attached document in Appendix II.

## x) Polycyclic Aromatic Hydrocarbon(PAHs)

The Polycyclic aromatic hydrocarbons(PAHs) are not intentionally used in the manufacture or formulation of this product listed on attached document in Appendix IV.

## xi) Disclaimer

- This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

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- Determination of suitability of the product for the use and purpose shall be the customer's responsibility. Customer is obligated to inspect and test the product for such suitability. Customer is responsible for appropriate, safe, legal use processing and handling of the product.
- To our best knowledge, information contained herein is true and accurate as of the date of its publication. However, we make no representations or warranties with respect to accuracy, reliability and completeness of the information contained herein for any purpose.
- No warranties, express or implied, which extend beyond the description herein are given by us. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- We assume no liability for any use of the product in combination with other materials. The information contained herein entirely relates to the product when it is not used in combination with any third party's materials.

## xii) Absence of Substance and Chemicals

We do not intend to use the Substances/Chemicals listed in attached Appendix I, II, III and IV in our product recipe.

PTT Global Chemical Public Company Limited shall not notify you in case changes in the regulations occur. It is the responsibility of the customer to check compliance of the final articles with the relevant legislative and applicable regulatory requirements including their restrictions.

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For more information and technical assistance contact;  
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For any limitations which are part of the regulations should be consulted in details.

Approved By:

A handwritten signature in blue ink that reads "Pisit".

(Pisit Amornpitugsakul)

Vice President, Planning and Supply Chain, Polymers

PTT Global Chemical Public Company Limited

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**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 126-07-8     | (1S-trans)-7-chloro-2',4,6-trimethoxy-6'-methylspiro[benzofuran-2(3H),1'-cyclohex-2'-ene]-3,4'-dione; griseofulvin                              |
| 3083-25-8    | (2,2,2-trichloroethyl)oxirane   |
| 69701-99-1   | (2-Ethyl-2-methyl-1,3-dioxolan-4-yl)methyl acrylate   |
| 38850-58-7   | (2-hydroxyethyl)dimethyl[3-(3-sulphopropyl)](tridecafluorohexyl)sulphonylamino]propyl]ammonium hydroxide  |
| 83048-65-1   | (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptaecafluorodecyl)trimethoxysilane   |
| 55355-06-3   | (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopypyr  |
| 690995-44-9  | (3-Chloro-2-hydroxypropyl)(coco-alkyl)(dimethyl)ammonium chloride   |
| 3001-63-6    | (3-chloro-2-hydroxypropyl)dimethyloctadecylammonium chloride  |
| 94-74-6      | (4-chloro-2-methylphenoxy)acetic acid; MCP; MCPA  |
| 78587-05-0   | (4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide; hexythiazox  |
| 64630-63-3   | (7-Oxabicyclo[4.1.0]heptan-3-yl)methyl acrylate   |
| 1502809-48-4 | (Butyl, decyl, octyl, 2-(2-phenoxyethoxy)ethyl and 2-phenoxyethyl) mixed ester of phosphoric acid   |
| 56-53-1      | (E)-4,4'-Hex-3-ene-3,4-diylidiphenol  |
| 1651187-84-6 | (Erbium and thulium) doped derivative of gadolinium sulfur ytterbium yttrium oxide  |
| -            | (Methacrylic acid, ethyl acrylate, n-butyl acrylate, methyl methacrylate and butadiene) copolymer in nanoform                                   |
| 73361-29-2   | (Monohexadecyl ether of polymer of 2-methyloxirane / oxirane) phosphate   |
| 2991-50-6    | (N-Ethylperfluorooctane-1-sulfonamido)acetic acid   |
| 43048-08-4   | (octahydro-1H-4,7-methanoindene-5,7-diyl)bis(methylene) bis(2-methylacrylate)   |
| 547-68-2     | (Oxalato-kappa(2)O(1),O(2))zinc   |
| 74504-64-6   | (Polymer of glycerol) dodecanoate   |
| 103055-07-8  | (RS)-1-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-difluorobenzoyl)urea; lufenuron  |
| 116714-46-6  | (RS)-1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea; novaluron                                     |
| 107534-96-3  | (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol; tebuconazole   |
| 120-36-5     | (RS)-2-(2,4-dichlorophenoxy)propionic acid; dichlorprop   |
| 112281-77-3  | (RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether; tetraconazole                                       |
| 7085-19-0    | (RS)-2-(4-chloro-o-tolyl)oxypropionic acid; mecoprop  |
| 133220-30-1  | (RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione; indano fan   |
| 139920-32-4  | (RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutylamide; diclocymet   |
| 50471-44-8   | (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione; vinclozolin   |
| 114369-43-6  | (RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile; fenbuconazole  |
| 39515-41-8   | (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate; fenpropathrin  |
| 30560-19-1   | (RS)-O,S-dimethyl acetylphosphoramidothioate; acephate  |
| 66841-25-6   | (S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate; tralomethrin                           |
| 66230-04-4   | (S)-alpha-cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbutyrate; esfenvalerate  |
| 56553-60-7   | (T-4)-Sodium tris(acetato-kappaO)(hydro)borate(1-)  |
| 692-49-9     | (Z)-1,1,1,4,4,4-Hexafluorobut-2-ene   |
| 89269-64-7   | (Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone; ferimzone  |
| 13049-88-2   | (Z)-Non-3-en-1-yl acetate   |
| 41130-29-4   | (Z)-Octadec-9-en-1-amine monohydrochloride  |
| 50-07-7      | [(1aS,8S,8aR,8bS)-6-Amino-8a-methoxy-5-methyl-4,7-dioxo-1,1a,2,4,7,8,8a,8b-octahydroazireno[2',3':3,4]pyrrolo[1,2-a]indol-8-yl)methyl carbamate |
| -            | [(Dinitrophenyl)azo]-[2,4-diamino-5-methoxybenzene] derivatives   |
| -            | [(Disubstituted phenyl)azo] dihydro hydroxy alkyl oxo alkyl-substituted-pyridines   |
| 29398-96-7   | [1,1'-Biphenyl]-4,4'-diamine, N,N'-bis(2,4-dinitrophenyl)-3,3'-dimethoxy-   |
| 13223-43-3   | [1,2,4]Triazolol[1,5-a]pyrimidin-2-amine, 5,7-dimethoxy-  |
| 19201-36-6   | [2-[(1-oxoallyl)oxy]ethyl] hydrogen maleate   |
| 71463-78-0   | [3-(N-Ethylperfluorooctane-1-sulfonamido)propan-1-yl]phosphonic acid  |
| 569-64-2     | [4-[[4-(dimethylamino)phenyl](phenyl)methylidene]cyclohexa-2,5-dien-1-ylidene](dimethyl)ammonium chloride; malachite green chloride             |
| 99685-96-8   | [5,6]Fullerene-C60-Ih   |
| 115383-22-7  | [5,6]Fullerene-C70-D5h(6)   |
| 145809-19-4  | [5,6]Fullerene-C84-D2   |
| 145809-20-7  | [5,6]Fullerene-C84-D2d  |
| 119446-68-3  | 1-(2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl-1H-1,2,4-triazole; difenoconazole                                   |
| 99485-76-4   | 1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea; cumyluron  |
| 477218-59-0  | 1-(3,3-Dimethylcyclohexan-1-yl)ethyl 2-chloroacetate  |
| 83121-18-0   | 1-(3,5-dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea; teflubenzuron  |
| 55179-31-2   | 1-(4-biphenyloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanol; bitertanol  |
| 71868-15-0   | 1,1'-(Oxydi-4,1-phenylene)bis(2-hydroxy-2-methylpropan-1-one)   |
| 85095-61-0   | 1,1,1',1'-Tetramethyl-4,4'-(methylenedi-4,1-phenylene)disemicarbazide   |
| 375-03-1     | 1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane  |
| 870778-34-0  | 1,1,1,2,2,3,3-Hexafluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)pentane   |
| 23153-23-3   | 1,1,1,3,3-Pentachloropropane  |
| 50-29-3      | 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane   |
| 50-29-3      | 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (Synonym: DDT)  |
| 72-43-5      | 1,1,1-trichloro-2,2-bis(4-methoxyphenyl)ethane; methoxychlor  |
| 71-55-6      | 1,1,1-trichloroethane   |
| 68555-74-8   | 1,1,2,2,3,3,4,4,5,5,5-Undecafluoro-N-(2-hydroxyethyl)-N-methylpentane-1-sulfonamide   |
| 68239-72-5   | 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(4-hydroxybutyl)-N-methylpentane-1-sulphonamide  |
| 355-46-4     | 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-sulfonic acid   |
| 68555-75-9   | 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-N-(2-hydroxyethyl)-N-methylhexane-1-sulfonamide   |
| 375-92-8     | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonic acid   |
| 68555-76-0   | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-(2-hydroxyethyl)-N-methylheptane-1-sulfonamide  |
| 68298-89-5   | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(4-hydroxybutyl)-N-methylheptane-1-sulphonamide   |
| 68259-14-3   | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-methylheptane-1-sulphonamide  |
| 79-34-5      | 1,1,2,2-tetrachloroethane   |
| 79-00-5      | 1,1,2-trichloroethane   |
| 79-01-6      | 1,1,2-Trichloroethene   |
| 3555-47-3    | 1,1,5,5,5-hexamethyl-3,3-bis(trimethylsilyloxy)trisiloxane  |
| 13516-27-3   | 1,1'-[iminodi(octamethylene)]diguanidine; iminotadine   |
| 3075-84-1    | 1,1'-Biphenyl, 2,2',5,5'-tetramethyl-   |
| 4920-95-0    | 1,1'-Biphenyl, 3,3',4,4'-tetramethyl-   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 1717-00-6    | 1,1-dichloro-1-fluoroethane: HCFC-141b  |
| 75-35-4      | 1,1-Dichloroethylene; vinylidene dichloride   |
| 1910-42-5    | 1,1'-dimethyl-4,4'-bipyridinium dichloride; paraquat; paraquat dichloride   |
| 57-14-7      | 1,1-dimethylhydrazine   |
| 24307-26-4   | 1,1-dimethylpiperidinium chloride   |
| 23911-80-0   | 1,1'-Diphenyl-1,1'-[butane-1,4-diylbis(oxy(2-hydroxy-4,1-phenylene))] dimethanone   |
| 85-00-7      | 1,1'-ethylene-2,2'-bipyridinium dibromide; diquat dibromide   |
| 354-21-2     | 1,2,2-Trichloro-1,1-difluoroethane  |
| 309-00-2     | 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-end-5,8-dimethanonaphthalene (Synonym: Aldrin)   |
| 72-20-8      | 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-end-1,4-end-5,8-dimethanonaphthalene (Synonym: Endrin)   |
| 60-57-1      | 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4-end-5,8-dimethanonaphthalene (Synonym: Dieldrin)   |
| 63936-56-1   | 1,2,3,4,5-Pentabromo-6-(tetrabromophenoxy)benzene   |
| 85-22-3      | 1,2,3,4,5-Pentabromo-6-ethylbenzene   |
| 608-93-5     | 1,2,3,4,5-Pentachlorobenzene  |
| 67562-39-4   | 1,2,3,4,6,7,8-Heptachlorodibenzofuran   |
| 35822-46-9   | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin   |
| 3389-71-7    | 1,2,3,4,7,7-hexachlorobicyclo[2.2.1]hepta-2,5-diene   |
| 55673-89-7   | 1,2,3,4,7,8,9-Hexachlorodibenzofuran  |
| 70648-26-9   | 1,2,3,4,7,8-Hexachloro dibenzofuran   |
| 39227-28-6   | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  |
| 57117-44-9   | 1,2,3,6,7,8-Hexachloro dibenzofuran   |
| 57653-85-7   | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  |
| 72918-21-9   | 1,2,3,7,8,9-Hexachloro dibenzofuran   |
| 72918-38-8   | 1,2,3,7,8,9-Hexachloro dibenzofuran   |
| 19408-74-3   | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  |
| 40321-76-4   | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin   |
| -            | 1,2,3,7,8-Petrachloro dibenzofurans   |
| 160535-46-6  | 1,2,3-Propanetricarboxamide, N1,N2,N3-tris(2-methylcyclohexyl)-   |
| -            | 1,2,3-Propanetriol, homopolymer, alkanooates and Glycerides, alkanooate, mono-, di- and tri-  |
| 102-76-1     | 1,2,3-Propanetriol, triacetate (Triacetin)  |
| 96-18-4      | 1,2,3-trichloropropane  |
| -            | 1,2,4,5,7,8-Hexoxanane, 3,6,9-trimethyl-, 3,6,9-tris(alkyl) derivs. (generic)   |
| 158965-44-7  | 1,2,4,5-Benzenetetracarboxylic acid, diethyl ester, compd. with 4,4'-[[1,1'-biphenyl]-2,5-diylbis(oxy)]bis[benzenamine] (1:1)   |
| 95-94-3      | 1,2,4,5-Tetrachlorobenzene  |
| 552-30-7     | 1,2,4-benzenetricarboxylic 1,2-anhydride  |
| 196109-17-8  | 1,2,4-Benzenetricarboxylic acid, 1,2,4-tris[4-(ethenoxy)butyl] ester  |
| -            | 1,2,4-Benzenetricarboxylic acid, mixed decyl and octyl triesters.   |
| 87018-38-0   | 1,2,4-Tribromo-3-butanol  |
| 120-82-1     | 1,2,4-Trichlorobenzene  |
| 95-63-6      | 1,2,4-trimethylbenzene  |
| 3194-55-6    | 1,2,5,6,9,10-Hexabromocyclododecane   |
| 85137-09-3   | 1,2-Benzenediamine, 4-ethoxy-, sulfate (1:1)  |
| 309934-69-8  | 1,2-Benzenedicarboxylic acid, di-C6-14-branched and linear alkyl esters   |
| 309934-68-7  | 1,2-Benzenedicarboxylic acid, di-C7-14-branched and linear alkyl esters   |
| 464920-01-2  | 1,2-Benzenedicarboxylic acid, mixed esters with benzyl alc., cyclohexanol, 2-ethyl-1-hexanol, fumaric acid and propylene glycol   |
| 782-74-1     | 1,2-bis(2-chlorophenyl)hydrazine  |
| 252958-29-5  | 1,2-Cyclohexanedicarboxylic acid, 1-(2-ethylhexyl) 2-(2-methylpropyl) ester   |
| 1807977-72-5 | 1,2-Cyclohexanedicarboxylic acid, 1-(2-phenylhydrazide)   |
| 21807-69-2   | 1,2-Cyclohexanedicarboxylic acid, 1,1'-[2,2-bis[[[2-(oxiranlylmethoxy)carbonyl]cyclohexyl]carbonyl]oxy]methyl]-1,3-propanediyl] 2,2'-bis(2-oxiranlylmethyl) ester                       |
| 1200806-67-2 | 1,2-Cyclohexanedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester  |
| 1190265-49-6 | 1,2-Cyclohexanedicarboxylic acid, benzyl C8-10-isoalkyl esters, C9-rich   |
| 1190264-82-4 | 1,2-Cyclohexanedicarboxylic acid, benzyl nonyl ester, branched and linear   |
| 18085-02-4   | 1,2-diacetoxybut-3-ene  |
| 96-12-8      | 1,2-dibromo-3-chloropropane   |
| 408319-76-6  | 1,2-Dibromo-3-pentanol  |
| 1649-08-7    | 1,2-Dichloro-1,1-difluoroethane   |
| 99-54-7      | 1,2-dichloro-4-nitrobenzene   |
| 107-06-2     | 1,2-dichloroethane  |
| 78-87-5      | 1,2-dichloropropane   |
| 629-14-1     | 1,2-Diethoxyethane  |
| 930-33-6     | 1,2-dihydro-3H-1,2,4-triazol-3-one  |
| 110-71-4     | 1,2-Dimethoxyethane   |
| 1607-23-4    | 1,2-epoxy-3-(propenyloxy)propane  |
| 26447-14-3   | 1,2-epoxy-3-(tolxyloxy)propane  |
| 106-88-7     | 1,2-epoxybutane   |
| 75-56-9      | 1,2-epoxypropane; propylene oxide   |
| 6315-52-2    | 1,2-Ethanediol, bis(4-methylbenzenesulfonate)   |
| 114719-19-6  | 1,2-Propanediol, 3-(2-propenyloxy)-, bis(4-methylbenzenesulfonate)  |
| 100-97-0     | 1,3,5,7-tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane; hexamethylenetetramine   |
| 5248-39-5    | 1,3,5-Triazin-2-amine, 4-methoxy-N,6-dimethyl-  |
| 1078142-02-5 | 1,3,5-Triazine, 2,4,6-trichloro-, polymer with piperazine, reaction products with morpholine  |
| 145963-84-4  | 1,3,5-Triazine-2,4-diamine, N2,N2-dimethyl-6-(2,2,2-trifluoroethoxy)-   |
| 108-67-8     | 1,3,5-trimethylbenzene  |
| 99-35-4      | 1,3,5-trinitrobenzene   |
| 2451-62-9    | 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione   |
| 106359-91-5  | 1,3,6-Naphthalenetrisulfonic acid, 7-[2-[2-(aminocarbonylamino)-4-[[4-[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]phenyl]diazanyl]-, sodium salt (1:3) |
| 65150-87-0   | 1,3,6-Naphthalenetrisulfonic acid, 8-hydroxy-7-[2-[4'-[2-(2-hydroxy-1-naphthalenyl)diazenyl]][1,1'-biphenyl]-4-yl]diazenyl]-, lithium salt (1:3)  |
| 103697-96-7  | 1,3-Benzenediamine, 4-(1,1-dimethylethyl)-2(or 6)-methyl-   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 73019-20-2   | 1,3-Benzenedicarboxamide, N3-[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroethoxy)sulfonyl]methylamino]ethyl]-N1-[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroethoxy)sulfonyl]propylamino]ethyl]-4-methyl- |
| 119581-93-0  | 1,3-Benzenedicarboxylic acid, bis[[4-[(ethenoxy)methyl]cyclohexyl]methyl] ester   |
| 1313999-39-1 | 1,3-Benzenediol, 4-[1-[[3-(1H-imidazol-1-yl)propyl]imino]ethyl]-  |
| 1008753-84-1 | 1,3-Benzenediol, polymer with 1,1'-methylenebis[isocyanatobenzene]  |
| 101-90-6     | 1,3-bis(2,3-epoxypropyl)oxybenzene  |
| 106-99-0     | 1,3-butadiene   |
| 2568-33-4    | 1,3-Butanediol, 3-methyl-   |
| 173904-11-5  | 1,3-Cyclohexanedimethanamine, N1,N3-bis(2-methylpropylidene)-   |
| 1121649-70-4 | 1,3-Cyclohexanedione, 2-[2-chloro-4-(methylsulfonyl)-3-(2,2,2-trifluoroethoxy)methyl]benzoyl-, ion(1-), potassium (1:1)   |
| 96-21-9      | 1,3-dibromopropan-2-ol  |
| 109-64-8     | 1,3-dibromopropane  |
| 15263-53-3   | 1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane; cartap   |
| 96-23-1      | 1,3-dichloro-2-propanol   |
| 118-52-5     | 1,3-dichloro-5,5-dimethylimidazolidine-2,4-dione  |
| 542-75-6     | 1,3-dichloropropene; D-D  |
| 80-73-9      | 1,3-Dimethyl-2-imidazolidinone  |
| 4427-96-7    | 1,3-Dioxolan-2-one, 4-ethenyl-  |
| 646-06-0     | 1,3-dioxolane   |
| 2421-08-1    | 1,3-Dioxolane-4-butanol, 2-ethenyl-   |
| 102-06-7     | 1,3-diphenylguanidine   |
| -            | 1,3-Propanediamine, N1, N1-alkyl  |
| 136504-96-6  | 1,3-Propanediamine, N1,N1'-1,2-ethanedylbis-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-2,2,6,6-tetramethyl-4-piperidinamine  |
| 1120-71-4    | 1,3-propanesultone  |
| 2682-49-7    | 1,3-Thiazolidin-2-one   |
| 115-28-6     | 1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid; chlorendic acid   |
| -            | 1,4-Benzenediamine, N'-(alkyl)-N-[4-(alkylamino)phenyl]-N-phenyl-   |
| 117397-31-6  | 1,4-Benzenedicarboxylic acid, 1,4-bis[4-(ethenoxy)butyl] ester  |
| 209072-72-0  | 1,4-Benzenedicarboxylic acid, bis[[4-[(ethenoxy)methyl]cyclohexyl]methyl] ester   |
| 263244-54-8  | 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,4-butanediol, cyclized   |
| -            | 1,4-Benzenediol, 2-(1,1,3,3-tetramethylbutyl)- and Bis(dimethylamino substituted)carbomonocycle   |
| 6770-38-3    | 1,4-bis(methoxymethyl)benzene   |
| -            | 1,4-Butanediol, polymer with substituted alkane and substituted methylene bis carbomonocycle, 2-hydroxyalkyl acrylate-blocked   |
| 15827-56-2   | 1,4-Cyclohexanediamine, cis-  |
| 2615-25-0    | 1,4-Cyclohexanediamine, trans-  |
| 1373220-73-5 | 1,4-Cyclohexanedicarboxylic acid, 1,4-dimethyl ester, hydrogenolysis products   |
| 159475-15-7  | 1,4-dibromo-(R*,R*)-(9CI)-3-pentanol  |
| 14396-65-7   | 1,4-Dibromo-2,3-butanediol  |
| 19398-47-1   | 1,4-dibromobutan-2-ol   |
| 110-52-1     | 1,4-dibromobutane   |
| 89-61-2      | 1,4-dichloro-2-nitrobenzene   |
| 123-91-1     | 1,4-dioxane   |
| 434898-80-3  | 1,5-Dioxo-9-azaspiro[5.5]undecane, 3,3,8,8,10,10-hexamethyl-9-[1-[4-(2-oxiranylethoxy)phenyl]ethoxy]-   |
| 110843-98-6  | 1,5-Dioxaspiro[5.5]undecane-3,3-dicarboxylic acid, 3,3-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester   |
| 3173-72-6    | 1,5-naphthalenediyl diisocyanate  |
| 1459738-70-5 | 1,6-Hexanediamine, N1-(6-aminohexyl)-, polymer with 2-(chloromethyl)oxirane, N-(dithiocarboxy) derivs., sodium salts  |
| 4277-06-9    | 1,9-Cyclohexadecadiene  |
| 77-40-7      | 1, Bisphenol B  |
| 112-73-2     | 1-[2-(2-Butoxyethoxy)ethoxy]butane  |
| 146453-62-5  | 1-[2-Methyl-5-(2-oxopyrrolidin-1-yl)pentan-1-yl]-2-pyrrolidone  |
| 6712-98-7    | 1-[Bis(2-hydroxyethyl)amino]propan-2-ol   |
| 333955-79-6  | 10H-Phenothiazine, ar-(C9-rich C8-10-branched alkyl) derivs.  |
| 333955-80-9  | 10H-Phenothiazine, ar,ar'-(C9-rich C8-10-branched alkyl) derivs.  |
| 693-57-2     | 12-Aminododecanoic acid   |
| -            | 12-Hydroxystearic acid, reaction products with alkylene diamine and alkanic acid (generic).   |
| 26264-02-8   | 14-(Nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol  |
| 34748-97-5   | 17-Oxabicyclo[14.1.0]heptadec-8-ene   |
| 106-92-3     | 1-allyloxy-2,3-epoxypropane   |
| 82-45-1      | 1-amino-9,10-anthraquinone  |
| 3132-64-7    | 1-bromo-2,3-epoxypropane  |
| 107-04-0     | 1-Bromo-2-chloroethane  |
| 16079-88-2   | 1-Bromo-3-chloro-5,5-dimethylimidazolidine-2,4-dione  |
| 106-94-5     | 1-bromopropane  |
| 851545-17-0  | 1-Butanammonium, N-(3-aminopropyl)-N-butyl-N-(2-carboxyethyl)-, N-coco acyl derivs., inner salts  |
| 1803407-49-9 | 1-Butanammonium, N,N,N-tributyl-, 1-methylethyl carbonate (1:1)   |
| 17351-62-1   | 1-Butanammonium, N,N,N-tributyl-, carbonic acid (1:1)   |
| 478796-04-2  | 1-Butanammonium, N,N,N-tributyl-, ethyl carbonate (1:1)   |
| -            | 1-Butanammonium, N,N,N-tributyl-, methyl carbonate (1:1).   |
| 1338579-13-7 | 1-Butanammonium, N,N,N-tributyl-, propyl carbonate (1:1)  |
| 103429-90-9  | 1-Butanol, 3-methoxy-3-methyl-, acetate   |
| 119344-86-4  | 1-Butanone, 2-(dimethylamino)-2-[[4-methylphenyl]methyl]-1-[4-(4-morpholinyl)phenyl]-   |
| 75-68-3      | 1-chloro-1,1-difluoroethane; HFC-142b   |
| 611-19-8     | 1-chloro-2-(chloromethyl)benzene  |
| 97-00-7      | 1-chloro-2,4-dinitrobenzene   |
| 90-13-1      | 1-chloronaphthalene   |
| 112-53-8     | 1-dodecanol; n-dodecyl alcohol  |
| 112-36-7     | 1-Ethoxy-2-(2-ethoxyethoxy)ethane   |
| 7747-34-4    | 1H,3H,5H-Oxazol[3,4-c]oxazole, dihydro-7a-methyl-   |
| 141914-99-0  | 1H-Benz[e]indolium, 1,1,2,3-tetramethyl-, 4-methylbenzenesulfonate (1:1)  |
| 133145-29-6  | 1H-Benzotriazole, 5-(pentyloxy)-  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 156679-37-7  | 1H-Benzotriazole, 5-(pentyloxy)-, potassium salt  |
| 153454-44-5  | 1H-Benzotriazole, 6-(pentyloxy)-, sodium salt (1:1)   |
| 117806-54-9  | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, lithium salt (1:1)  |
| 160653-08-7  | 1-Hexadecanaminium, N,N-dibutyl-N-(2-hydroxyethyl)-, bromide (1:1)  |
| 676143-36-5  | 1-Hexadecanesulfonic acid, (dimethylphenyl)-  |
| 68298-09-9   | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-  |
| 73772-33-5   | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)  |
| 73772-34-6   | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-  |
| 4532-96-1    | 1H-imidazole, 1-(1-methylethyl)-  |
| 65738-56-9   | 1H-Indene-2-carboxylic acid, 5-chloro-2,3-dihydro-1-oxo-, methyl ester  |
| 2820-37-3    | 1H-Pyrazole, 3,4-dimethyl-  |
| 59789-51-4   | 1H-Pyrrole-2,5-dione, 1-(2,4,6-tribromophenyl)-   |
| 111-96-6     | 1-Methoxy-2-(2-methoxyethoxy)ethane   |
| 111109-77-4  | 1-Methoxy-3-(3-methoxypropoxy)propane   |
| 80-15-9      | 1-methyl-1-phenylethyl hydroperoxide  |
| 70-25-7      | 1-methyl-3-nitro-1-nitrosoguanidine   |
| 1325-86-6    | 1-naphthalenemethanol, $\alpha,\alpha$ -bis[4-(diethylamino)phenyl]-4-(ethylamino)-   |
| 6786-83-0    | 1-naphthalenemethanol, $\alpha,\alpha$ -bis[4-(dimethylamino)phenyl]-4-(phenylamino)-   |
| 63-25-2      | 1-naphthyl N-methylcarbamate; carbaryl; NAC   |
| 930-55-2     | 1-nitrosopyrrolidine  |
| 68259-12-1   | 1-Nonanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluoro-  |
| 143-08-8     | 1-nonanol; n-nonyl alcohol  |
| 1314035-96-5 | 1-Octadecanaminium, N,N-dimethyl-N-[3-(triethoxysilyl)propyl]-, chloride (1:1), reaction products with ethylene glycol  |
| 243640-46-2  | 1-Octadecanol, manuf. of, distn. lights, fractionation heavies, distn. lights   |
| 1613320-81-2 | 1-Octanamine, 7 (or 8)-(aminomethyl)-   |
| 182700-90-9  | 1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-, reaction products with benzene-chlorine-sulfur chloride (S2Cl2) reaction products chlorides |
| 111-87-5     | 1-octanol   |
| 174615-16-8  | 1-Pentanamine, 3-[(2-ethylhexyl)oxy]-   |
| 68298-08-8   | 1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5,5-undecafluoro-N-(phenylmethyl)-  |
| 68298-13-5   | 1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-methyl-  |
| 1577-03-3    | 1-Penten-3-one, 1-(4-chlorophenyl)-4,4-dimethyl-  |
| -            | 1-Piperidinecarboxylic acid, 2-[(dichloro-hydroxy-carbomonocycle)hydrazono]-, methyl ester  |
| 91933-40-3   | 1-Propanamine, 3-[2-(2-methoxyethoxy)ethoxy]-   |
| 944835-56-7  | 1-Propanamine, N-(1-methylethyl)-3-(C12-15-alkyloxy) derivs.  |
| 68310-75-8   | 1-Propanaminium, 3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]-N,N,N-trimethyl-, iodide, ammonium salt (1:1:1)                                 |
| 499781-63-4  | 1-Propanaminium, 3-amino-N-(2-carboxyethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts   |
| 691401-28-2  | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-peanut-oil acyl derivs., inner salts  |
| 136504-87-5  | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-soya acyl derivs., inner salts  |
| 391232-99-8  | 1-Propanaminium, 3-amino-N,N,N-trimethyl-, N-soya acyl derivs., chlorides   |
| 691400-36-9  | 1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N(C12-18 and C18-unsatd. acyl) derivs., inner salts   |
| 19721-22-3   | 1-Propanol, 3-mercapto-   |
| 4161-22-2    | 1-Propanol, 3-propoxy-  |
| -            | 1-Substituted propane, 3-(triethoxysilyl)-, reaction products with polyethylene glycol mono-(branched tridecyl) ether   |
| 80060-09-9   | 1-tert-butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea; diafenthuron  |
| 671756-61-9  | 1-Tetradecanesulfonic acid, (dimethylphenyl)-   |
| 1072-63-5    | 1-vinylimidazole  |
| 108-01-1     | 2-(Dimethylamine) ethanol and a preparation containing the same. However, those containing less than 3.1% of 2-(dimethylamine) ethanol are excluded.                          |
| 148-79-8     | 2-(1,3-thiazol-4-yl)-1H-benzimidazole   |
| 88-85-7      | 2-(1-methylpropyl)-4,6-dinitrophenol  |
| 20427-84-3   | 2-(2-(4-Nonylphenoxy)ethoxy)ethanol   |
| 79983-71-4   | 2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)-2-hexanol; hexaconazole  |
| 73250-68-7   | 2-(2-benzothiazolyloxy)-N-methylacetanilide; mefenacet  |
| 3846-71-7    | 2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol  |
| 36437-37-3   | 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol   |
| 25973-55-1   | 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)  |
| 21725-46-2   | 2-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)amino-2-methylpropionitrile; cyanazine  |
| 88671-89-0   | 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile; myclobutanil   |
| 80844-07-1   | 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether; etofenprox   |
| 2312-35-8    | 2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite; propargite; BPPS  |
| 100-37-8     | 2-(diethylamino)ethanol   |
| 2439-35-2    | 2-(dimethylamino)ethyl acrylate   |
| 2867-47-2    | 2-(dimethylamino)ethyl methacrylate   |
| 95-32-9      | 2-(morpholinodithio)benzothiazole   |
| 383-07-3     | 2-(N-Butan-1-ylperfluorooctane-1-sulfonamido)ethyl acrylate   |
| 423-82-5     | 2-(N-Ethylperfluorooctane-1-sulfonamido)ethyl acrylate  |
| 3820-83-5    | 2-(N-Ethylperfluorooctane-1-sulfonamido)ethyl dihydrogen phosphate  |
| 376-14-7     | 2-(N-Ethylperfluorooctane-1-sulfonamido)ethyl methacrylate  |
| 25268-77-3   | 2-(N-Methylperfluorooctane-1-sulfonamido)ethyl acrylate   |
| 14650-24-9   | 2-(N-Methylperfluorooctane-1-sulfonamido)ethyl methacrylate   |
| 95175-38-5   | 2-(Phenylsulfanyl)ethyl acrylate  |
| 21564-17-0   | 2-(thiocyanatomethylthio)-1,3-benzothiazole; TCMTB  |
| 3026-81-1    | 2,2'-(Diethylstannylene)bis(thio)diethanol  |
| 1116-54-7    | 2,2'-(nitrosoimino)bisethanol   |
| 115-32-2     | 2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol (Synonym: Kelthane or Dicofo)  |
| 6846-50-0    | 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate   |
| -            | 2,2'-[(1-Methylethylidene)bis(4,1-phenyloxy[1-(butoxymethyl)-(2,1-ethanedyl)oxymethylene]]bisoxirane, reaction product with a diamine   |
| 16096-31-4   | 2,2'-[Hexane-1,6-diylbis(oxymethylene)]bis(oxirane)   |
| 4162-45-2    | 2,2'-[isopropylidenebis(2,6-dibromo-4,1-phenyleneoxy)]diethanol   |
| 78-67-1      | 2,2'-azobisisobutyronitrile   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance   |
|-------------|---|
| 038103-06-9 | 2,2-bis(4-hydroxyphenyl) propane bis (phthalic anhydride)   |
| 6807-17-6   | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane   |
| 6807-17-6   | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane   |
| 105100-80-9 | 2,2-Bis(bromomethyl)-1-propanol   |
| 38051-10-4  | 2,2-bis(chloromethyl)trimethylene bis(bis(2-chloroethyl)phosphate)  |
| 10222-01-2  | 2,2-dibromo-2-cyanoacetamide  |
| 306-83-2    | 2,2-dichloro-1,1,1-trifluoroethane; HCFC-123  |
| 56-75-7     | 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide; chloramphenicol   |
| 82560-54-1  | 2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonyl)ethyl]-N-isopropylsulfenamoyl]-N-methylcarbamate; benfurcarb  |
| 56875-68-4  | 2,2-dioctyl-1,3-dioxo-6,9-dithia-2-stannacycloundecane-4,11-dione   |
| 754-12-1    | 2,3,3,3-Tetrafluoroprop-1-ene   |
| 938-22-7    | 2,3,4,6 Tetrachloroanisole and other derivatives  |
| 60851-34-5  | 2,3,4,6,7,8-Hexachloro dibenzofurans  |
| -           | 2,3,4,7,8-Petrachloro dibenzofurans   |
| 855236-37-2 | 2,3,4-Tribromo-1-butanol  |
| 118-75-2    | 2,3,5,6-tetrachloro-p-benzoquinone  |
| 79538-32-2  | 2,3,5,6-tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate; tefluthrin  |
| 51207-31-9  | 2,3,7,8-Tetrachloro dibenzofurans   |
| 1746-01-6   | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)  |
| 96-13-9     | 2,3-dibromo-1-propanol  |
| 3347-22-6   | 2,3-dicyano-1,4-dithiaanthraquinone; dithianon  |
| 1563-66-2   | 2,3-dihydro-2,2-dimethyl-7-benzo[b]furan N-methylcarbamate; carbofuran  |
| 55285-14-8  | 2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate; carbosulfan  |
| 51-52-5     | 2,3-dihydro-6-propyl-2-thioxo-4(1H)-pyrimidinone; propylthiouracil  |
| 87-59-2     | 2,3-dimethylaniline   |
| 556-52-5    | 2,3-epoxy-1-propanol  |
| 106-91-2    | 2,3-epoxypropyl methacrylate  |
| 122-60-1    | 2,3-epoxypropyl phenyl ether  |
| 95-95-4     | 2,4,5-Trichlorophenol   |
| 93-76-5     | 2,4,5-Trichlorophenoxyacetic acid   |
| 137-17-7    | 2,4,5-trimethylaniline  |
| 87-40-1     | 2,4,6 Trichloroanisole  |
| 118-79-6    | 2,4,6-tribromophenol  |
| 108-77-0    | 2,4,6-trichloro-1,3,5-triazine  |
| 88-06-2     | 2,4,6-trichlorophenol   |
| 732-26-3    | 2,4,6-tri-tert-butylphenol (TTBP)   |
| 126505-35-9 | 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis[2,4,6-tris(1,1-dimethylethyl)phenoxy]-   |
| 137759-38-7 | 2,4-bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-n-octyloxyphenyl)-1,3,5-triazine   |
| 1014-70-6   | 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine; simetryn   |
| 615-05-4    | 2,4-diaminoanisole  |
| 343268-04-2 | 2,4-Dibromo-3-pentanol  |
| 611-06-3    | 2,4-dichloro-1-nitrobenzene   |
| 60168-88-9  | 2,4'-dichloro-alpha-(5-pyrimidinyl)benzhydriyl alcohol; fenarimol   |
| 553-82-2    | 2,4-dichloroanisole   |
| 120-83-2    | 2,4-dichlorophenol  |
| 94-75-7     | 2,4-dichlorophenoxyacetic acid; 2,4-D; 2,4-PA   |
| 95-73-8     | 2,4-dichlorotoluene   |
| 82799-44-8  | 2,4-diethyl-9H-thioxanthen-9-one  |
| 108-08-7    | 2,4-dimethyl pentane  |
| 95-68-1     | 2,4-dimethylaniline   |
| 97-02-9     | 2,4-dinitroaniline  |
| 51-28-5     | 2,4-dinitrophenol   |
| 121-14-2    | 2,4-Dinitrotoluene  |
| 96-76-4     | 2,4-di-tert-butylphenol   |
| 3090-13-9   | 2,4-Hexadienoic acid, 3-(trimethoxysilyl)propyl ester   |
| 123-54-6    | 2,4-Pentanedione  |
| 105-67-9    | 2,4-xylenol   |
| 112-49-2    | 2,5,8,11-Tetraoxadodecane   |
| 856991-78-1 | 2,5-Dibromo-1-pentanol  |
| 213821-20-6 | 2,5-Dibromo-2-pentanol  |
| 103458-14-6 | 2,5-Furandione, polymer with oxybis[propanol], benzoate   |
| 1194-65-6   | 2,6-dichlorobenzonitrile; dichlobenil; DBN  |
| 24157-81-1  | 2,6-Diisopropyl-naphthalene (2,6-DIPN)  |
| 87-62-7     | 2,6-dimethylaniline   |
| 576-26-1    | 2,6-xylenol   |
| 103580-64-9 | 2,7-Naphthalenedisulfonic acid, 4-amino-3-[2-[4'-(2-[2-amino-4-[(3-butoxy-2-hydroxypropyl)amino]phenyl]diazenyl)-3,3'-dimethyl[1,1'-biphenyl]-4-yl]diazenyl]-5-hydroxy-6-(2-phenyldiazenyl)-, sodium salt (1:2) |
| -           | 2,7-Naphthalenedisulfonic acid, 4-amino-3-[substituted]-5-hydroxy-6-[(1E)-2-phenyldiazenyl]-, lithium salt (1:3) (generic)  |
| 182238-09-1 | 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, disodium salt (1:2), coupled with diazotized 4-butylbenzenamine, diazotized 4,4'-cyclohexyldienebis[benzenamine] and m-phenylenediamine, sodium salt        |
| 72379-45-4  | 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-3-[2-[4'-(2-[2-hydroxy-4-[(2-methylphenyl)amino]phenyl]diazenyl)[1,1'-biphenyl]-4-yl]diazenyl]-6-(2-phenyldiazenyl)-  |
| 259795-03-4 | 2,7-Naphthalenedisulfonic acid, 5-[[4-chloro-6-[[2-(2-ethenylsulfonyl)ethoxy]ethyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[2-(1-sulfo-2-naphthalenyl)diazenyl]-, sodium salt (1:3)                        |
| 2081-08-5   | 2, Bisphenol E  |
| 70293-55-9  | 2-[(2-methyl-1-oxoallyloxy)ethyl] 1,3-dihydro-1,3-dioxoisobenzofuran-5-carboxylate  |
| 174489-76-0 | 2-[(allyloxy)carbonyl]propan-2-yl 2-chloro-5-nitrobenzoate  |
| 174489-43-1 | 2-[(allyloxy)carbonyl]propan-2-yl 5-amino-2-chlorobenzoate  |
| 84812-04-4  | 2-[(Allyloxy)methyl]-1,4,7,10,13,16-hexaoxacycloctadecane   |
| 66008-68-2  | 2-[[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-icosafuoroundecyl)sulphonyl]methylamino]ethyl acrylate   |
| 66008-69-3  | 2-[[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)sulphonyl]methylamino]ethyl acrylate   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance   |
|-------------|---|
| 71561-11-0  | 2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone; pyrazoxyfen  |
| 82692-44-2  | 2-[4-(2,4-dichloro-m-toluoyl)-1,3-dimethyl-5-pyrazolyloxy]-4-methylacetophenone; benzo fenap  |
| 68298-60-2  | 2-[butyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl acrylate  |
| 67939-87-1  | 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulphonyl]amino]ethyl dihydrogen phosphate   |
| 67923-61-9  | 2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl dihydrogen phosphate  |
| 67939-36-0  | 2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl methacrylate  |
| 67906-70-1  | 2-[ethyl[(tridecafluorohexyl)sulphonyl]amino]ethyl methacrylate   |
| 67906-73-4  | 2-[ethyl[(undecafluoropentyl)sulphonyl]amino]ethyl methacrylate   |
| 66008-70-6  | 2-[methyl[(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)sulphonyl]amino]ethyl acrylate   |
| 68084-62-8  | 2-[methyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl acrylate   |
| 67939-96-2  | 2-[methyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl methacrylate   |
| 67584-57-0  | 2-[methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl acrylate  |
| 67584-61-6  | 2-[methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl methacrylate  |
| 67584-56-9  | 2-[methyl[(undecafluoropentyl)sulphonyl]amino]ethyl acrylate  |
| 67584-60-5  | 2-[methyl[(undecafluoropentyl)sulphonyl]amino]ethyl methacrylate  |
| 59071-10-2  | 2-[Ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate   |
| 1893-52-3   | 2-[Ethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl acrylate  |
| 68298-06-6  | 2-[Ethyl[(undecafluoropentyl)sulfonyl]amino]ethyl acrylate  |
| 306974-63-0 | 2-[Methyl[(perfluoroalkyl(C=4-8)sulfonyl]amino)ethyl ester of fatty acid(C=18 unsaturated) dimers   |
| 27942-27-4  | 20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol   |
| 13893-53-3  | 2-Amino-2,3-dimethylbutanenitrile   |
| 141-43-5    | 2-aminoethanol  |
| 119313-12-1 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone   |
| 359-07-9    | 2-Bromo-1,1-difluoroethane  |
| 25245-34-5  | 2-bromo-1,4-dimethoxybenzene  |
| 1514-82-5   | 2-Bromo-3,3,3-trifluoroprop-1-ene   |
| 6627-55-0   | 2-Bromo-4-methylphenol  |
| 2052-07-5   | 2-bromobiphenyl   |
| 75-26-3     | 2-bromopropane  |
| 96-29-7     | 2-Butanone, oxime   |
| 4170-30-3   | 2-butenal   |
| 247041-56-1 | 2-Butenoic acid, 4,4'-[[dibutylstannylene]bis(oxy)]bis[4-oxo-, (2Z,2'Z)-, di-C8-10-isoalkyl esters, C9-rich   |
| -           | 2-Butenoic acid, 4,4'-[[dibutylstannylene]bis(oxy)]bis[4-oxo-, (2Z,2'Z)-, di-C9-11-isoalkyl esters, C10-rich  |
| 2837-89-0   | 2-chloro-1,1,1,2-tetrafluoroethane; HCFC-124  |
| 75-88-7     | 2-Chloro-1,1,1-trifluoroethane  |
| 51218-49-6  | 2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide; pretilachlor  |
| 15972-60-8  | 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide; alachlor   |
| 51218-45-2  | 2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide; metolachlor   |
| 122-34-9    | 2-chloro-4,6-bis(ethylamino)-1,3,5-triazine; shimazine; CAT   |
| -           | 2-Chloro-4,6-bis(substituted)-1,3,5-triazine, dihydrochloride   |
| 1912-24-9   | 2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine; atrazine   |
| 121-87-9    | 2-chloro-4-nitroaniline   |
| 87-63-8     | 2-Chloro-6-methylaniline  |
| 88-73-3     | 2-chloronitrobenzene  |
| -           | 2-Chloro-N-methyl-N-substituted acetamide   |
| 598-78-7    | 2-chloropropionic acid  |
| 78-59-1     | 2-Cyclohexen-1-one, 3,5,5-trimethyl-  |
| 95-80-7     | 2-diaminotoluene  |
| 110-80-5    | 2-Ethoxyethanol   |
| 110-80-5    | 2-Ethoxyethanol   |
| 111-15-9    | 2-Ethoxyethyl acetate   |
| 111-15-9    | 2-ethoxyethyl acetate; ethylene glycol monoethyl ether acetate  |
| 287933-44-2 | 2-ethyl-1-(2-(1,3-dioxanyl)ethyl)-pyridinium bromide  |
| 104-76-7    | 2-ethyl-1-hexanol   |
| 328389-90-8 | 2-Ethyl-1-hexanol-blocked acetate salts of polymer of 3-(diethylamino)propane-1,2-diol / 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane / propylene glycol / reduced methyl ester of reduced polymerized oxidized tetrafluoroethylene |
| 303186-14-3 | 2-Ethyl-2-adamantyl acrylate  |
| 931-35-1    | 2-Ethyl-5-methyl-4,5-dihydro-1H-imidazole   |
| 834-12-8    | 2-ethylamino-4-isopropylamino-6-methylthio-1,3,5-triazine; ametryn  |
| 149-57-5    | 2-ethylhexanoic acid  |
| -           | 2-Ethylhexanoic acid, compound with alkylamino cyclohexane (generic); and 2-Ethylhexanoic acid, compound with cyclohexylamine (generic).  |
| 1241-94-7   | 2-ethylhexyl diphenyl phosphate   |
| 688-84-6    | 2-ethylhexyl methacrylate   |
| 5466-77-3   | 2-ethyl-hexyl-4-methoxycinnamate  |
| 127523-43-7 | 2-fluoro-3-propyl [1,2: 2,3-terphenyl] -1-carbonitrile and a preparation containing the same  |
| 818-61-1    | 2-hydroxyethyl acrylate   |
| 5395-01-7   | 2-hydroxyethyl carbamate  |
| 96-45-7     | 2-imidazolidinethione   |
| -           | 2-Imino-1,3-thiazin-4-one-5,6-dihydronehydrochloride  |
| 2631-40-5   | 2-isopropylphenyl N-methylcarbamate; isoprocab; MIPC  |
| 149-30-4    | 2-mercaptobenzothiazole   |
| 70657-70-4  | 2-Methoxy Propyl Acetate  |
| 1589-47-5   | 2-methoxy-1-propanol  |
| 120-71-8    | 2-methoxy-5-methylaniline   |
| 109-86-4    | 2-Methoxyethanol  |
| 109-86-4    | 2-Methoxyethanol  |
| 110-49-6    | 2-Methoxyethyl acetate  |
| 110-49-6    | 2-methoxyethyl acetate; ethylene glycol monomethyl ether acetate  |
| 2682-20-4   | 2-methy-4-isothiazolin-3-one  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 71868-10-5   | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one  |
| 82657-04-3   | 2-methyl-1,1'-biphenyl-3-ylmethyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate; bifenthrin   |
| 7384-80-7    | 2-Methyl-3-phenylpropan-1-ol  |
| 5445-77-2    | 2-Methyl-3-phenylpropanal   |
| 99-55-8      | 2-methyl-5-nitroaniline   |
| 249562-06-9  | 2-Methyladamantan-2-yl acrylate   |
| 693-98-1     | 2-methylimidazole   |
| 55814-41-0   | 2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide; mepronil  |
| 235083-90-6  | 2-Naphthalenecarboxylic acid, 4,4'-methylenebis[3-hydroxy-, strontium salt (1:?)  |
| 235083-88-2  | 2-Naphthalenecarboxylic acid, 4,4'-methylenebis[3-hydroxy-, zinc salt (1:?)   |
| 180031-79-2  | 2-Naphthalenol, heptyl-1-[2-[(2-phenyldiazenyl)phenyl]diazenyl]-, ar', ar"-Me derivs.   |
| -            | 2-Naphthalenol, mono and dioctyl derivs   |
| 91-59-8      | 2-naphthylamine/betanaphthylamine and its salts   |
| -            | 2-Naphthalenecarboxamide-N-aryl-3-hydroxy-4-arylozo   |
| 26530-20-1   | 2-Octyl-2H-isothiazol-3-one   |
| 1313708-90-5 | 2-Oxepanone, polymer with 1,6-diisocyanatohexane, 2,2-dimethyl-1,3-propanediol and 2,2'-oxybis[ethanol]   |
| -            | 2-Oxepanone, polymer with 4,4'-(1-methylethylidene)bisphenol and 2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bisoxirane, graft   |
| 130728-76-6  | 2-Oxiranemethanamine, N,N'-[methylenebis(2-ethyl-4,1-phenylene)]bis[N-(2-oxiranylmethyl)-   |
| 100606-66-4  | 2-Pentanol, 1,5-dibromo-  |
| 37859-57-7   | 2-Pentanone, 4-methyl-, 2,2,2"-[O,O',O"-(methylsilyldiene)trioxime]   |
| 72804-49-0   | 2-Pentene, 1,1,1,2,3,4,4,5,5,5-decafluoro-  |
| 90-43-7      | 2-phenylphenol  |
| 1690-76-2    | 2-Piperidinone, 1,3-dimethyl-   |
| 86917-58-0   | 2-Piperidinone, 1,5-dimethyl-   |
| 222975-06-6  | 2-Propanol, 1,1',1"-nitritoltris-, compds. with ethanol 2-[2-(C12-14-alkyloxy)ethoxy] derivs. hydrogen sulfates   |
| 1078715-59-9 | 2-Propanol, 1,1'-iminobis-, N-tallow alkyl derivs., hydrochlorides  |
| 124213-39-4  | 2-Propanol, 1-[2-[[[4-methylphenyl)sulfonyl]oxy]ethoxy]-3-(2-propenyloxy)-, 4-methylbenzenesulfonate  |
| 124028-99-5  | 2-Propanol, 1-[2-[[[4-methylphenyl)sulfonyl]oxy]ethoxy]ethoxy]-3-(2-propenyloxy)-, 4-methylbenzenesulfonate   |
| 79771-08-7   | 2-Propanol, reaction products with ammonia, distn. residues   |
| 374078-75-8  | 2-Propen-1-ol, reaction products with hydrogen sulfide, distn. residues   |
| 5117-12-4    | 2-Propen-1-one, 1-(4-morpholinyl)-  |
| 68227-94-1   | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-hydroxypoly(oxy-1,2-ethanediy), .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediy), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and .alpha.-(1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediy)   |
| 68586-14-1   | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-hydroxypoly(oxy-1,2-ethanediy), .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediy), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol  |
| 73275-59-9   | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-butoxypoly[oxy(methyl-1,2-ethanediy)]  |
| 73019-28-0   | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediy)   |
| 73038-33-2   | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]propylamino]ethyl ester, polymer with 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate)  |
| 86273-46-3   | 2-Propenoic acid, 2-[2-(ethenyl)oxy]ethyl ester   |
| 68298-62-4   | 2-Propenoic acid, 2-[butyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethyl ester, telomer with 2-[butyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol   |
| -            | 2-Propenoic acid, 2-mehtyl-, C12-15-branched and linear alkyl esters, telomers with alkyl 2-[[[alkylthio]thioxomethyl]thio]-2-alkanoate, aminoalkyl methacrylate and alkyl methacrylate, tert-Bu 2-ethylhexanoperoxoate-initiated   |
| 849925-18-4  | 2-Propenoic acid, 2-methyl-, 1,1'-[2-ethyl-2-[[[2-methyl-1-oxo-2-propen-1-yl)oxy]methyl]-1,3-propanediyl] ester, polymer with 1,3-butadiene, ethenylbenzene and 2-hydroxyethyl 2-methyl-2-propenoate  |
| 306977-10-6  | 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides  |
| 68298-78-2   | 2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 70900-40-2   | 2-Propenoic acid, 2-methyl-, 2-[[[5-[[[4-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoroethyl)sulfonyl]methylamino]butoxy]carbonyl]amino]2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol |
| 96478-09-0   | 2-Propenoic acid, 2-methyl-, 2-(3-(2H-benzotriazol-2-yl)-4-hydroxyphenyl)ethyl ester   |
| 67906-74-5   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid  |
| 67906-71-2   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid  |
| 67939-37-1   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid   |
| 68568-77-4   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate  |
| 68227-87-2   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol   |
| 68867-62-9   | 2-Propenoic acid, 2-methyl-, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and alpha-(1-oxo-2-propen-1-yl)-omega-methoxypoly(oxy-1,2-ethanediy)   |
| 73018-93-6   | 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl 2-propenoate  |
| 68797-76-2   | 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate   |
| 209982-56-9  | 2-Propenoic acid, 2-methyl-, 2-ethyltricyclo[3.3.1.1.3]dec-2-yl ester  |
| 25249-16-5   | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, homopolymer   |
| -            | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with hexakis(alkoxyalkyl)melamine   |
| -            | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluoroethyl methacrylate and vinylidene chloride, 2,2'-[1,2-diazenediyl]bis(1-methylethylidene)bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated   |
| -            | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluoroethyl methacrylate, 2,2'-[1,2-diazenediyl]bis(1-methylethylidene)bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated   |
| 306976-55-6  | 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked  |
| 95590-48-0   | 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]amino]ethyl 2-propenoate and 2-hydroxyethyl 2-propenoate   |
| 115372-36-6  | 2-Propenoic acid, 2-methyl-, 3-hydroxytricyclo[3.3.1.1.3]dec-1-yl ester  |
| 68299-39-8   | 2-Propenoic acid, 2-methyl-, 4-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroethyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-hydroxypoly(oxy-1,4-butanediyl), alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-[[2-methyl-1-oxo-2-propen-1-yl]oxy]poly(oxy-1,4-butanediyl), 4-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroethyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol  |
| 82428-30-6   | 2-Propenoic acid, 2-methyl-, 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester  |
| 85736-97-6   | 2-Propenoic acid, 2-methyl-, C11-14-isoalkyl esters, C13-rich  |
| -            | 2-Propenoic acid, 2-methyl-, C16-18 esters, telomers with 3-chloro-2-hydroxypropyl methacrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluoroethyl methacrylate, and rel- (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate, 2,2'-[1,2-diazenediyl]bis(1-methylethylidene)bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated   |
| 1078715-90-8 | 2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymer with ethenylbenzene and 2-oxiranylmethyl 2-methyl-2-propenoate, tert-Bu 2-ethylhexaneperoxoate-initiated  |
| 1078715-62-4 | 2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymer with ethenylbenzene, 4-hydroxybutyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate, tert-Bu 2-ethylhexaneperoxoate-initiated   |
| 460739-39-3  | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethyl 2-propenoate, zinc 2-methyl-2-propenoate (1:2) and zinc 2-propenoate (1:2), 2,2'-[1,2-diazenediyl]bis[2-methylbutanenitrile]- and 2,2'-[1,2-diazenediyl]bis[2-methylpropanenitrile]-initiated  |
| 903876-45-9  | 2-Propenoic acid, 3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexyl ester   |
| 216581-76-9  | 2-Propenoic acid, 3-hydroxytricyclo[3.3.1.1.3]dec-1-yl ester   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 68227-96-3   | 2-Propenoic acid, butyl ester, telomer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-hydroxypoly(oxy-1,4-butanediyl), alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol   |
| 68228-00-2   | 2-Propenoic acid, ethyl ester, polymer with 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-hydroxypoly(oxy-1,4-butanediyl), alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-hydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate |
| 55554-55-7   | 2-Propenoic acid, polymer with 2-propenamide, ammonium salt   |
| 107-19-7     | 2-propyn-1-ol   |
| 496849-77-5  | 2-Pyridinecarboxylic acid, 4,5,6-trichloro-   |
| 1546765-39-2 | 2-Pyridinecarboxylic acid, 4,5-dichloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-  |
| 153954-47-3  | 2-Pyrrolidinone, 1-ethenyl-3-ethylidene-, (3E)-   |
| 3766-81-2    | 2-sec-butylphenyl N-methylcarbamate; fenobucarb; BPMC   |
| -            | 2-Substituted benzotriazole   |
| 69075-62-3   | 2-tert-Butyl-4-[(5-tert-butyl-4-hydroxy-2-methylphenyl)sulfonyl]-5-methylphenyl 3-(dodecylsulfonyl)propanoate   |
| 96489-71-3   | 2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone; pyridaben  |
| 88-60-8      | 2-tert-butyl-5-methylphenol   |
| 69327-76-0   | 2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one; buprofezin  |
| 533-74-4     | 2-thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine; dazomet   |
| 3984-22-3    | 2-vinyl-1,3-dioxolane   |
| 100-69-6     | 2-vinylpyridine   |
| 1352994-67-2 | 3-(difluoromethyl)-1-methyl-N-[(3R)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide and a preparation containing the same. Except that 3-(difluoromethyl)-1-methyl-N-[(3R)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide excluding those containing 3% or less.   |
| 330-54-1     | 3-(3,4-dichlorophenyl)-1,1-dimethylurea; diuron; DCMU   |
| 330-55-2     | 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea; linuron  |
| 36734-19-7   | 3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1-carboxamide; iprodione   |
| 68298-11-3   | 3-(N-{3-[(2-Hydroxyethyl)(dimethylammonio)propan-1-yl]perfluorooctane-1-sulfonamido)propane-1-sulfonate   |
| 163802-53-7  | 3-(Trimethoxysilyl)propyl (2E,4E)-hexa-2,4-dienoate   |
| 2417-04-1    | 3,3',5,5'-Tetramethyl-(1,1'-biphenyl)-4,4'-diol   |
| 77-09-8      | 3,3-bis(4-hydroxyphenyl)-1,3-dihydroisobenzofuran-1-one; phenolphthalein  |
| 101-14-4     | 3,3'-dichloro-4,4'-diaminodiphenylmethane   |
| 91-94-1      | 3,3'-dichlorobenzidine  |
| 612-83-9     | 3,3'-dichlorobenzidine dihydrochloride  |
| 838-88-0     | 3,3'-dimethyl-4,4'-diaminobiphenylmethane 4,4'-methylenedi-o-toluidine  |
| 119-93-7     | 3,3'-dimethylbenzidine; o-tolidine  |
| 91-97-4      | 3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate  |
| 66204-44-2   | 3,3'-methylenebis[5-methylloxazolidine]   |
| 76377-07-6   | 3,4-Dibromo-(2R*,3S*,4S*)-(9CI)-2-pentanol  |
| 35330-59-7   | 3,4-Dibromo-1,2-butanediol  |
| 87018-30-2   | 3,4-Dibromo-1-butanol   |
| 3452-97-9    | 3,5,5-trimethyl-1-hexanol   |
| 23950-58-5   | 3,5-dichloro-N-(1,1-dimethyl-2-propenyl)benzamide; propyzamide  |
| 58371-98-5   | 3,5-dichloropentane-2-one   |
| 372-39-4     | 3,5-difluoroaniline   |
| 3861-47-0    | 3,5-diiodo-4-octanoyloxybenzotrile; ioxynil octanoate   |
| 27177-08-8   | 3,6,9,12,15,18,21,24,27-Nonaaxanonacosan-1-ol,29-(nonylphenoxy)   |
| 26571-11-9   | 3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol,26-(nonylphenoxy)  |
| 104503-68-6  | 3,6,9,12,15,18,21-Heptaaxatetracontanoic acid, sodium salt (1:1)  |
| 27177-05-5   | 3,6,9,12,15,18,21-Heptaaxatricosan-1-ol,23-(nonylphenoxy)-  |
| -            | 3,6,9,12,16-Pentaoxanonadec-18-ene-1,14-diol, bis(4-methylbenzenesulfonate)   |
| 158357-73-4  | 3,6,9,12-Tetraoxatetradecane-1,14-diol, 7-[(2-propenyloxy)methyl]-, bis(4-methylbenzenesulfonate)   |
| 41024-91-3   | 3,6,9,12-Tetraoxatetradecane-1,14-diyl bis(4-methylbenzene-1-sulfonate)   |
| -            | 3,6,9,13-Tetraoxahexadec-15-ene-1,11-diol, bis(4-methylbenzenesulfonate)  |
| 112-57-2     | 3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine   |
| 24748-23-0   | 3,6,9-Triethyl-3,6,9-trimethyl-1,2,4,5,7,8-hexoxonane   |
| 37860-51-8   | 3,6,9-Trioxaundecane-1,11-diyl bis(4-methylbenzenesulfonate)  |
| 74115-24-5   | 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine; clofentezine   |
| -            | 3,6-Bis(dialkylamino)-9-(2-alkoxycarbonyl)phenyl-xanthylium salt  |
| 505-32-8     | 3,7,11,15-tetramethylhexadec-1-en-3-ol; isophytol   |
| 59669-26-0   | 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione; thiodicarb   |
| 103-11-7     | 3,2-ETHYLHEXYLACRYLATE  |
| 68318-36-5   | 3-[(carboxymethyl)(heptadecafluorooctyl)sulphonyl]amino]propyltrimethylammonium hydroxide   |
| 38850-52-1   | 3-[(carboxymethyl)(tridecafluorohexyl)sulphonyl]amino]propyltrimethylammonium hydroxide   |
| 72785-08-1   | 3-[[3-(dimethylamino)propyl][(heptadecafluorooctyl)sulphonyl]amino]propanesulphonic acid  |
| 38850-60-1   | 3-[[3-(dimethylamino)propyl][(tridecafluorohexyl)sulphonyl]amino]propanesulphonic acid  |
| 153197-14-9  | 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one; oxaziclomefone  |
| -            | 3-Alkyl-2-(2-amino)vinyl thiazolinium salt  |
| 61-82-5      | 3-amino-1H-1,2,4-triazole; amitrole   |
| 107-11-9     | 3-amino-1-propene   |
| 6375-47-9    | 3'-amino-4'-methoxyacetanilide  |
| 15087-24-8   | 3-benzylidene camphor   |
| 106-95-6     | 3-bromo-1-propene; allyl bromide  |
| 106023-63-6  | 3-Bromo-2-(bromomethyl)-1-propanol  |
| 1522-92-5    | 3-Bromo-2,2-bis(bromomethyl)-1-propanol   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 2113-57-7    | 3-bromobiphenyl   |
| 4300-97-4    | 3-chloro-2,2-dimethylpropaneyl chloride   |
| 79622-59-6   | 3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-alpha,alpha,alpha-trifluoro-2,6-dinitro-p-toluidine; fluazinam  |
| 107-05-1     | 3-chloropropene; allyl chloride   |
| 620-14-4     | 3-ethyltoluene  |
| 160848-22-6  | 3'H-Cyclopropa[1,9][5,6]fullerene-C60-1h-3'-butanoic acid, 3'-phenyl-, methyl ester   |
| 1051371-21-1 | 3'H-Cyclopropa[7,22][5,6]fullerene-C70-D5h(6)-3'-butanoic acid, 3'-phenyl-, methyl ester  |
| 609771-63-3  | 3'H-Cyclopropa[8,25][5,6]fullerene-C70-D5h(6)-3'-butanoic acid, 3'-phenyl-, methyl ester  |
| 207399-07-3  | 3H-Indolium, 2-[2-[2-chloro-3-[2-(1,3-dihydro-3,3-dimethyl-1-propyl-2H-indol-2-ylidene)ethylidene]-1-cyclohexen-1-yl]ethenyl]-3,3-dimethyl-1-propyl-, iodide (1:1)                  |
| 440102-72-7  | 3H-Indolium, 2-[2-[3-[2-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)ethylidene]-2-[(1-phenyl-1H-tetrazol-5-yl)thio]-1-cyclohexen-1-yl]ethenyl]-1,3,3-trimethyl-, chloride (1:1) |
| 6407-78-9    | 3H-Pyrazol-3-one, 4-[(2,4-dimethylphenyl)azo]-2, 4-dihydro-5-methyl-2-phenyl-   |
| 6407-74-5    | 3H-Pyrazol-3-one, 4[(2-chlorophenyl)azo]-2,4-dihydro-5-methyl-2-phenyl-   |
| 55406-53-6   | 3-iodo-2-propynyl-butylcarbamate (IBPC)   |
| 4098-71-9    | 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate   |
| 66332-96-5   | 3'-isopropoxy-2-trifluoromethylbenzanilide; flutolanil  |
| 163520-33-0  | 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester  |
| 96-24-2      | 3-MCPD or (3-monochloropropane-1,2-diol or 3-chloro-1,2-propanediol)  |
| 13684-63-4   | 3-methoxycarbonylamino phenyl 3'-methylcarbanilate; phenmedipham  |
| 56-49-5      | 3-Methyl-1,2-dihydrocyclopenta[ <i>ij</i> ]tetraphene   |
| 33089-61-1   | 3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene; amitraz   |
| 64194-22-5   | 3-Methylpentane-1,5-diyl diacrylate   |
| 108-99-6     | 3-methylpyridine  |
| 3268-49-3    | 3-methylthiopropenal  |
| 100912-15-0  | 3-Methyltridec-1-yn-3-ol  |
| 52645-53-1   | 3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; permethrin   |
| 60045-26-3   | 3-Phenylpropyl benzoate   |
| 126980-24-3  | 4-(2,2-Dicyanoethen-1-yl) phenyl = 2,4,5-trichlorobenzene-1-sulfonato and preparations containing the same  |
| 186825-36-5  | 4-(1-Ethyl-1,3-dimethylpentyl)phenol  |
| 142731-63-3  | 4-(1-Ethyl-1,4-dimethylpentyl)phenol  |
| 52427-13-1   | 4-(1-Ethyl-1-methylhexyl)phenol   |
| 58011-68-0   | 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate; pyrazolynate   |
| 158237-07-1  | 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide; fentrazamide  |
| 58920-31-3   | 4-(N-Methylperfluorooctane-1-sulfonamido)butan-1-yl acrylate  |
| 61577-14-8   | 4-(N-Methylperfluorooctane-1-sulfonamido)butan-1-yl methacrylate  |
| 1412159-51-3 | 4, 7-Methano-1H-indene, 3a, 4, 7, 7a-tetrahydro-, polymer with 2-methyl-1, 3-butadiene and 5-(1-methylethenyl)bicyclo[2.2.1]hept-2-ene  |
| 2687-27-6    | 4,4'-(1,3-Phenylenediisopropylidene)bisaniline  |
| -            | 4,4'-(1-methylethylidene)bisphenol, polymer with (chloromethyl)oxirane and a diamine  |
| 16068-37-4   | 4,4,7,7-tetraethoxy-3,8-dioxo-4,7-disiladecane  |
| 611-99-4     | 4,4'-dihydroxybenzophenone  |
| -            | 4,4'-Bipyridinium, 1-(phosphonoalkyl)-1'-substituted-, salt with anion (1:2)  |
| 553-26-4     | 4,4'-bipyridyl  |
| 2362-14-3    | 4,4'-Cyclohexane-1,1-diylbis(2-methylphenol)  |
| 101-80-4     | 4,4'-diaminodiphenyl ether  |
| 92-86-4      | 4,4'-Dibromobiphenyl  |
| 101-68-8     | 4,4'-Diphenylmethane diisocyanate   |
| 5384-21-4    | 4,4'-Methylenebis(2,6-dimethylphenol)   |
| 6864-37-5    | 4,4'-methylenebis(2-methylcyclohexaneamine)   |
| 101-61-1     | 4,4'-methylenebis(N,N-dimethylaniline)  |
| 101-77-9     | 4,4'-methylenedianiline   |
| 80-51-3      | 4,4'-oxybisbenzenesulfonylhydrazide   |
| 139-65-1     | 4,4'-thiodianiline  |
| 27355-22-2   | 4,5,6,7-tetrachloroisobenzofuran-1(3H)-one; phthalide   |
| 59287-66-0   | 4,5-Dibromo-1-pentanol  |
| 213821-22-8  | 4,5-Dibromo-2-pentanol  |
| -            | 4,6-Disubstituted pyrimidine  |
| 14674-72-7   | 4. CALCIUMCHLORITE  |
| 124029-00-1  | 4-[(Allyloxy)methyl]-3,6,9-trioxaundecane-1,11-diyl bis(4-methylbenzenesulfonate)   |
| 68227-97-4   | 4-[methyl]([pentadecafluoroheptyl)sulphonyl]amino]butyl acrylate  |
| 67906-38-1   | 4-[methyl]([pentadecafluoroheptyl)sulphonyl]amino]butyl methacrylate  |
| 68227-98-5   | 4-[methyl]([tridecafluorohexyl)sulphonyl]amino]butyl acrylate   |
| 67939-61-1   | 4-[methyl]([tridecafluorohexyl)sulphonyl]amino]butyl methacrylate   |
| 68227-99-6   | 4-[methyl]([undecafluoropentyl)sulphonyl]amino]butyl acrylate   |
| 67906-40-5   | 4-[methyl]([undecafluoropentyl)sulphonyl]amino]butyl methacrylate   |
| 93-15-2      | 4-allyl-1,2-dimethoxybenzene  |
| 13325-10-5   | 4-amino-1-butanol   |
| 41394-05-2   | 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one; metamitron   |
| 21087-64-9   | 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one; metribuzin   |
| 9-3-1960     | 4-aminoazobenzene   |
| 92-67-1      | 4-aminobiphenyl and its salts   |
| 44804-46-8   | 4-Bromo-2-(bromomethyl)-1,3-butanediol  |
| 98069-26-2   | 4-Bromo-2-(bromomethyl)-1-butanol   |
| 583-71-1     | 4-bromo-o-xylene  |
| 101-55-3     | 4-bromophenyl phenyl ether  |
| 95-69-2      | 4-Chloro-2-methylaniline  |
| 3165-93-3    | 4-Chloro-2-methylanilinium chloride   |
| 129558-76-5  | 4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide; tolfenpyrad   |
| 59-50-7      | 4-chloro-3-methylphenol   |
| 623-12-1     | 4-chloroanisole   |
| -            | 4-heptylphenol, branched and linear   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 41317-15-1   | 4-Methoxy-2-methyldiphenylamine  |
| 00134-85-9   | 4-methylbenzophenone   |
| 134-84-9     | 4-methylbenzophenone   |
| 36861-47-9   | 4-methylbenzylidene camphor  |
| 674-82-8     | 4-methylideneoxetan-2-one  |
| 1003863-30-6 | 4-Morpholinepropanamine, N-(1,3-dimethylbutylidene)-   |
| 104-40-5     | 4-Nonylphenol, branched and linear, all members  |
| 103969-85-3  | 4-Phenoxybutyl acrylate  |
| 6960-17-4    | 4-Pyrimidinamine, 2,5-dimethoxy-   |
| 80-46-6      | 4-tert-Amylphenol (p-(1,1-dimethylpropyl)phenol)   |
| 3279-07-0    | 4-tert-butyl-2-nitrophenol   |
| 98-54-4      | 4-tert-butylphenol   |
| 140-66-9     | 4-tert-octylphenol   |
| 100-40-3     | 4-vinyl-1-cyclohexene  |
| 1623-88-7    | 5-(chloromethyl)-2-furaldehyde   |
| 135285-90-4  | 5,2,6-(aminomethenimino)-1H-imidazo[4,5-b]pyrazine, octahydro-1,3,4,7,8,10-hexanitro-  |
| 63512-36-7   | 5,8,11,14-Tetraoxaoctadecane   |
| 7758-19-2    | 5. SODIUMCHLORITE  |
| 3618-72-2    | 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide  |
| 181587-01-9  | 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-ethylsulfanyl-1H-pyrazole-3-carbonitrile; ethiprole   |
| 120068-37-3  | 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4[(trifluoromethyl)sulfinyl]pyrazole; fipronil  |
| 1698-60-8    | 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one; chloridazon  |
| 10453-86-8   | 5-benzyl-3-furylmethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; resmethrin   |
| 314-40-9     | 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione; bromacil  |
| 26172-55-4   | 5-Chloro-2-methylisothiazol-3(2H)-one  |
| 31895-21-3   | 5-dimethylamino-1,2,3-trithiane; thiocyclam  |
| 2593-15-9    | 5-ethoxy-3-trichloromethyl-1,2,4-thiadiazole; echlomezol   |
| 81-15-2      | 5-tert-butyl-2,4,6-trinitro-m-xylene   |
| 19666-30-9   | 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one; oxadiazon  |
| 15805-10-4   | 6,6'-Methylenebis-1H-benzotriazole   |
| 115-29-7     | 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide; endosulfan  |
| 79-10-7      | 6. ACRYLICACID   |
| -            | 6-chloro-O-cresol and derivatives  |
| -            | 6-Methoxy-1H-benz[de]isoquinoline-2 [3H]-dione derivative  |
| 2439-01-2    | 6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one   |
| 1129-42-6    | 6-methyl-2-oxoperhydropyrimidin-4-ylurea   |
| 4694-91-1    | 6-nitrobenzoxazol-2(3H)-one  |
| 1633-78-9    | 6-Sulfanylohexan-1-ol  |
| 999-55-3     | 7. Silanamine, trimethyl-N-trimethylsilyl-   |
| 94213-53-3   | 7-anilino-4-hydroxy-3-[[6-methoxy-4-[(6-sulpho-2,4-xylyl)azo]-m-tolyl]azo]naphthalene-2-sulphonic acid, sodium salt, compound with 2,2',2"-nitrioltriethanol |
| 117-33-9     | 7-hydroxy-8-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]naphthalene-1,3-disulphonic acid   |
| -            | 7-Oxabicyclo[4.1.0]heptane, 3-ethenyl, homopolymer, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), epoxidized                                   |
| 41088-52-2   | 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, methyl ester   |
| 26694-69-9   | 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethylxanthylium ethyl sulphate   |
| 591773-92-1  | 9H-Thioxanthenium, 10-[1,1'-biphenyl]-4-yl-2-(1-methylethyl)-9-oxo-, hexafluorophosphate(1-) (1:1)   |
| 153280-11-6  | 9-Phosphabicyclo[3.3.1]nonane, 9,9'-(1,2-ethanediy)bis-  |
| 83-32-9      | Acenaphthene   |
| 208-96-8     | Acenaphthylene   |
| 75-07-0      | Acetaldehyde   |
| -            | Acetaldehyde based polymer   |
| -            | Acetaldehyde, substituted-, reaction products with 2-butyne-1,4-diol   |
| 60-35-5      | Acetamide  |
| 151717-27-0  | Acetamide, N-[2-amino-4-(pentyloxy)phenyl]-  |
| 153590-17-1  | Acetamide, N-[2-nitro-4-(pentyloxy)phenyl]-  |
| 41240-76-0   | Acetamide, N-[4-(pentyloxy)phenyl]-  |
| 99607-70-2   | Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester  |
| 71-48-7      | Acetic acid, cobalt(2+) salt   |
| -            | Acetic acid, hydroxy-methoxy-, methyl ester, reaction products with substituted alkylamine   |
| -            | Acetoacetanilide reaction product with multifunctional acrylate  |
| 67-64-1      | Acetone  |
| 75-86-5      | Acetone cyanohydrin  |
| 75-05-8      | Acetonitrile   |
| 77-90-7      | Acetyl tributyl citrate  |
| -            | Acetylated castor oil monoglyceride  |
| -            | Acetylated fatty acid glycerides   |
| 107-02-8     | Acrolein   |
| 79-06-1      | Acrylamide   |
| -            | Acrylamide, polymer with substituted alkylacrylamide salt  |
| -            | Acrylamide, polymers with tetraalkyl ammonium salt and polyalkyl, aminoalkyl methacrylamide salt   |
| -            | Acrylamide-substituted epoxy   |
| -            | Acrylate derivative of alkoxysilylalkane ester and mixed metal oxides  |
| -            | Acrylate ester   |
| -            | Acrylate manufacture byproduct distillation residue  |
| -            | Acrylate of hydroxyimide   |
| -            | Acrylate of polymer based on isophorone diisocyanate   |
| -            | Acrylate resin   |
| -            | Acrylated mixed metal oxides   |
| -            | Acrylic acid and its water-soluble salts   |
| -            | Acrylic acid, polymer with polyalkylene polyamine (generic).   |
| -            | Acrylic acid, polymer with substituted acrylamides   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| -            | Acrylic acid, polymer with substituted ethene  |
| 107-13-1     | Acrylonitrile  |
| -            | Acrylosilane resins  |
| -            | Acryloxy alkanolic alkane derivative with mixed metal oxides   |
| 77536-66-4   | Actinolite   |
| 103-23-1     | Adipates, DEHA and other diesters of adipic acid with aliphatic or araliphatic alcohols)   |
| 124-04-9     | Adipic acid, salts   |
| -            | Adipic acid, substituted propane, alkyldiol, acrylate  |
| -            | Alanine, N-(2-carboxyethyl)-N-alkyl-, salt   |
| -            | Alcohol propoxylate  |
| -            | Alcohol propoxylate sulfate salt   |
| -            | Alcohol, alkali metal salt   |
| 1476777-83-9 | Alcohols, C12-22, distn. residues  |
| -            | Alcohols, C6-12, ethoxylated, reaction product with maleic anhydride   |
| 1400790-00-2 | Alcohols, C9-11-branched, ethoxylated propoxylated   |
| 116-06-3     | Aldicarb   |
| -            | Algal oil amide (generic).   |
| -            | Alicyclic acids and their anhydrides   |
| -            | Alicyclic polyamine  |
| -            | Aliphatic acids and their anhydrides   |
| -            | Aliphatic acrylate (generic)   |
| -            | Aliphatic dicarboxylic acid salt   |
| -            | Aliphatic diisocyanate adduct with substituted amino alkyl silane  |
| -            | Aliphatic diisocyanate polymer with alkanediol and alkylglycol   |
| -            | Aliphatic diisocyanate, homopolymer, alkanol-blocked   |
| -            | Aliphatic ether  |
| -            | Aliphatic ether ethyl alcohol  |
| -            | Aliphatic polyamine  |
| -            | Aliphatic polycarboxylic acid metal salt   |
| -            | Aliphatic polycarboxylic acid, polymer with alicyclic polyhydric alcohol and polyoxyalkylene (generic).  |
| -            | Aliphatic polyglycidyl ether   |
| -            | Aliphatic polyisocyanate   |
| -            | Aliphatic polyisocyanate homopolymer   |
| -            | Aliphatic polyisocyanates  |
| -            | Aliphatic triamine   |
| -            | Alkali metal alkyl borohydride   |
| -            | Alkali metal salt of halogenated organoborate  |
| -            | Alkali transition metal oxide (generic)  |
| -            | Alkaline titania silica gel  |
| -            | Alkanaminium, [substituted carbomonocycle[(alkylamino)carbomonocycle]alkylene]-substituted carbomonocycle, carboxylate salt  |
| -            | Alkanaminium, polyalkyl-[(2-methyl-1-oxo-2-propenyl)oxy] salt, polymer with acrylamide and substituted alkyl methacrylate  |
| -            | Alkaneamide, halo-dialkylthienyl-alkoxydialkyl-, manuf. of by-products from  |
| -            | Alkanedioic acids, polymer with substituted propanediol, alkanediols, and polyethylene glycol and MDI  |
| -            | Alkanenitrile, bis(cyanoalkyl)amino  |
| 1417900-96-9 | Alkanes, C21-34-branched and linear, chloro  |
| 1401974-24-0 | Alkanes, C22-30-branched and linear, chloro  |
| 1402738-52-6 | Alkanes, C24-28, chloro  |
| -            | Alkanoic acid, butanediol and cyclohexanealkanol polymer   |
| -            | Alkanoic acid, tetramethylheteromonocycle ester (generic).   |
| -            | Alkanoic acids, esters with alkanetriol (generic).   |
| -            | Alkanoldioic dialkyl esters  |
| -            | Alkene substituted Bis phenol  |
| -            | Alkenedioic acid dialkyl ester, reaction products with alkenoic acid alkyl esters and diamine  |
| -            | Alkenedioic acid, dialkyl ester, reaction products with polyaminocarbomonocycle and alkenoic acid alkyl ester  |
| -            | Alkenoic acid, 2-methyl-, 2-oxiranylmethyl ester, reaction products with 4,4'-methylenebis (cyclohexanamine)   |
| -            | Alkenoic acid, polymer with alkyl alkenoate, alkylalkylalkenoate, alkenoic acid and tridecafluoro alkylalkenoate, compds. with alkylaminoalcanol (generic).                                    |
| -            | Alkenoxyloxy arylphenone   |
| -            | Alkenyl carboxylate, metal salt  |
| -            | Alkenyl dimethyl betaine   |
| -            | Alkenyl succinate, amine salts   |
| -            | Alkoxy dialkyl aminoalkanol carboxylate  |
| -            | Alkoxyamino-alkyl-coumarin   |
| -            | Alkoxyated acrylate polymer  |
| -            | Alkoxyated aliphatic diisocyanate allyl ether  |
| -            | Alkoxyated alkyl amine   |
| -            | Alkoxyated alkyldiethylenetriamine, alkyl sulfate salts  |
| -            | Alkoxyated alkylpolyol acrylates, adduct with alkylamine   |
| -            | Alkoxyated dialkyldiethylenetriamine, alkyl sulfate salt   |
| -            | Alkoxyated fatty acid amide, alkylsulfate salt   |
| -            | Alkoxyated quaternary alkyl ammonium fluoroalkylsulfonimide  |
| -            | Alkyd amide polyol   |
| -            | Alkyl acrylate-polyfluoro methacrylate-poly(oxyalkylenediyl)-methacrylates   |
| -            | Alkyl alkenoate, azobis-   |
| -            | Alkyl amino nitriles   |
| -            | Alkyl amino substituted triazine amino substituted benzenesulfonic acid reaction product with naphthalenesulfonato azo substituted phenyl azo substituted benzenesulfonic acid copper compound |
| -            | Alkyl bisphenol (generic).   |
| -            | Alkyl carbonate, polymer with, substituted alkanes and substituted heteromonocycle, substituted alkyl acrylate-blocked (generic).  |
| -            | Alkyl dialkylamino phenylsulfonyl alkenoate  |
| -            | Alkyl ester  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance   |
|-------------|---|
| -           | Alkyl heteropolycyclic-aniline  |
| -           | Alkyl maleimide substituted bicyclic olefin   |
| -           | Alkyl Mercury compounds   |
| -           | Alkyl methacrylates, polymer with substituted carbomonocycle, hydroxymethyl acrylamide and fluorinatedalkyl acrylate  |
| -           | Alkyl phenols and alkylphenols ethoxylates  |
| -           | Alkyl phenyl polyetheramines  |
| -           | Alkyl phosphate derivative  |
| -           | Alkyl phosphonate   |
| -           | Alkyl phosphonate ammonium salts  |
| -           | Alkyl polycarboxylic acids, esters with ethoxylated fatty alcohols  |
| -           | Alkyl polycarboxylic acids, esters with ethoxylated fatty alcohols, reaction products with maleic anhydride   |
| -           | Alkyl polyethylene glycol phosphate, potassium salt   |
| -           | Alkyl silane methacrylate   |
| -           | Alkyl silicate, polymer with 2-(chloromethyl)oxirane and 4,4'-(1-methylethyldiene)bis[pheno], alkoxyated (generic)  |
| -           | Alkyl substituted alkanediol polymer with aliphatic and alicyclic diisocyanates   |
| -           | Alkyl substituted amino-benzamide   |
| -           | Alkyl substituted aromatic glycidyl ether   |
| -           | Alkyl substituted catechol  |
| -           | Alkyl substituted diaromatic hydrocarbons   |
| -           | Alkyl triazine  |
| -           | Alkyl(heterocyclicyl) phenylazohetero monocyclic polyone  |
| -           | Alkyl(heterocyclicyl) phenylazohetero monocyclic polyone, ((alkylimidazolyl) methyl) derivative   |
| -           | Alkylaldehyde, reaction products with substituted carbomonocycle-substituted heteromonocycle-alkylene glycol bis[[[substituted(oxoneoalkyl)oxy]alkyl] amino]alkyl ether polymer and alkyl substituted alkanediamine, acetate salts (generic). |
| -           | Alkylalkenoic acid copolymer  |
| -           | Alkylamide derivative   |
| -           | Alkylamides, ethoxylated  |
| -           | Alkylaminated polyolefin  |
| -           | Alkylamine ethoxylated  |
| -           | Alkylaminoalcohol   |
| -           | Alkylaryl substituted phosphite   |
| -           | Alkylated aromatic isothiocyanate   |
| -           | Alkylated aryloxyaniline thiourea   |
| -           | Alkylated diarylamine, sulfurized   |
| -           | Alkylated diphenyl oxide  |
| -           | Alkylated diphenyls   |
| -           | Alkylated nitroso-phenylenediamine  |
| -           | Alkylated phenols   |
| -           | Alkylated sulfonated diphenyl oxide, alkali and amine salts   |
| -           | Alkylbenzene sulfonate  |
| -           | Alkylbenzene sulfonic acid  |
| -           | Alkylbenzenes sulfonic acids, metal salts   |
| -           | Alkylbenzenesulfonic acid   |
| -           | Alkylbenzenesulfonic acid and sodium salts  |
| -           | Alkylbisoxalyalkyl (substituted-1,1-dimethylethylphenyl) benzotriazole  |
| -           | Alkylcarboxy polyester acrylate reaction products with mixed metal oxides   |
| -           | Alkylcyano substituted pyridazo benzoate  |
| -           | Alkyldi(alkyloxyhydroxypropyl) derivative, phosphoric acid esters, potassium salts  |
| -           | Alkyldiene, polymer, hydroxy terminated alkoxyalkylalkylcarbamate.  |
| -           | Alkylene glycol terephthalate and substituted benzoate esters   |
| -           | Alkylenediolalkyl ether   |
| -           | Alkyletherpropyl dialkylamines  |
| -           | Alkylphenol   |
| -           | Alkylphenoxy poly(oxyethylene) sulfuric acid ester, substituted amine salt  |
| -           | Alkylphenoxy polyalkoxyamine  |
| -           | Alkylphenylpolyetheralkanolamines   |
| -           | Alkylpoly(oxyalkylene)amine   |
| -           | Alkylpolycarboxylic acid, derivative, tris(fluorinatedalkoxy)alkyl ester salt   |
| -           | Alkylpolyhydroxy polymer  |
| -           | Alkylsulfonium salt   |
| -           | Alkyltin halide   |
| -           | Alkyltri, tetra, and pentaamines  |
| 57-06-7     | Allyl isothiocyanate  |
| 107-18-6    | Allyl alcohol   |
| 1797-74-6   | Allyl phenylacetate   |
| -           | Allyloxysubstituted heterocycle   |
| -           | Alpha 1,3-polysaccharide (generic).   |
| 1582-09-8   | Alpha, alpha, alpha-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin   |
| 29117-08-6  | alpha-[2-(N-Ethylperfluorooctane-1-sulfonamido)ethyl]-omega-hydroxypoly(oxyethylene)  |
| 68958-61-2  | alpha-[2-(N-Ethylperfluorooctane-1-sulfonamido)ethyl]-omega-methoxypoly(oxyethylene)  |
| 68359-37-5  | Alpha-cyano-4-fluoro-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cyfluthrin  |
| 52550-45-5  | alpha-Hydro-omega-[2-(N-propan-1-ylperfluorooctane-1-sulfonamido)ethoxy]poly(oxyethylene)   |
| 98-83-9     | Alpha-methylstyrene   |
| -           | alpha-Olefin sulfonate, potassium salts   |
| -           | alpha-Olefin sulfonate, sodium salt   |
| 20859-73-8  | Aluminium phosphide   |
| -           | Aluminosilicate Refractory Ceramic Fibres   |
| 201167-69-3 | Aluminosilicates, phospho-  |
| -           | Aluminum calcium oxide salt (generic)   |
| -           | Aluminum phosphate  |
| 7446-70-0   | Aluminum trichloride and a preparation containing the same.   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Aluminum trihydrate and silane homopolymer  |
| -            | Amide free  |
| 851544-20-2  | Amides, coco, N-[3-(dibutylamino)propyl]  |
| 851545-09-0  | Amides, coco, N-[3-(dibutylamino)propyl], acrylates   |
| 208408-03-1  | Amides, from ammonium hydroxide-maleic anhydride polymer and hydrogenated tallow alkyl amines, sodium salts, compds. with ethanolamine                    |
| 691400-76-7  | Amides, peanut-oil, N-[3-(dimethylamino)propyl]   |
| 202483-48-5  | Amides, tall-oil fatty, N-[2-(2-hydroxyethyl)amino]ethyl], reaction products with sulfur dioxide  |
| -            | Amidinothiopropionic acid hydrochloride   |
| -            | Amidoamine modified polyethylene glycol   |
| -            | Amidoamine salt   |
| -            | Amine adduct  |
| -            | Amine aldehyde condensate   |
| -            | Amine modified monomer acrylate   |
| -            | Amine neutralized phosphated polyesters   |
| -            | Amine salt of organic acid  |
| -            | Amine salt of vegetable oil, polymer with cycloaliphatic glycol, hydroxy substituted carboxylic acid, aliphatic diisocyanate and tetra hydroxy alkane     |
| -            | Amine substituted metal salts   |
| -            | Amine terminated bisphenol A diglycidyl ether polymer   |
| -            | Amine-modified urea-formaldehyde polymer  |
| 900169-60-0  | Amines, bis(C11-14-branched and linear alkyl)   |
| 863766-30-7  | Amines, C11-14-branched and linear alkyl  |
| 197527-19-8  | Amines, C12-14-tert-alkyl, sulfamates   |
| 1005516-89-1 | Amines, di-C11-14-isoalkyl, C13-rich  |
| -            | Amines, N-(C14-18 and C16-18 unsaturated alkyl)] dipropylene-   |
| 189120-63-6  | Amines, N-coco alkyltrimethylenedi-, citrates   |
| 189120-62-5  | Amines, N-tallow alkyltripropylene-tetra-, citrates   |
| -            | Amines, tetrapropylene-penta-   |
| -            | Amines, tripropylene-tetra-,  |
| -            | Amino acid, carboxyalkyl, alkylsulfonate, alkali salt   |
| -            | Amino alkoxy polydimethylsiloxane, hydroxy-terminated   |
| -            | Amino alkyl organoborane  |
| -            | Aminoalkanol  |
| -            | Aminoalkyl substituted alkylphenol  |
| -            | Aminoester of polyalkenylated alkyldicarboxylic acid  |
| -            | Aminoethylethylene urea methacrylamide  |
| -            | Amino-fluoran derivative  |
| -            | Aminofunctional alkoxy alkyl siloxane   |
| -            | Amino-hydroxy sulfonaphthylazo-disubstituted phenyl azo benzene carboxylate salt  |
| -            | Aminophenol   |
| -            | Amino-substituted carbopolycycle  |
| -            | Aminotriazine modified cresol novolec resin   |
| 645-93-2     | Ammelide  |
| 2991-52-8    | Ammonium {ethyl[(heptadecafluorooctyl)sulfonyl]amino}acetate  |
| 68259-09-6   | Ammonium 1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentane-1-sulphonate   |
| 68259-07-4   | Ammonium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonate  |
| 30381-98-7   | Ammonium bis[2-(N-ethylperfluorooctane-1-sulfonamido)ethyl] phosphate   |
| 67939-97-3   | Ammonium bis[2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl] phosphate   |
| 7789-09-5    | Ammonium dichromate   |
| 67906-42-7   | Ammonium hencosafluorodecanesulphonate  |
| 17202-41-4   | Ammonium nonadecafluorononanesulphonate   |
| 29081-56-9   | Ammonium perfluorooctane-1-sulfonate  |
| 1456802-89-3 | Ammonium salt of (monohexadecyl ether of polymer of 2-methyloxirane / oxirane) phosphate  |
| 306973-47-7  | Ammonium salt of [reaction product of 2,4-diiocyanatotoluene, N-(hydroxyethyl)-N-methylperfluoroalkane(C=4-8)sulfonamide and 12-hydroxyoctadecanoic acid] |
| 68259-08-5   | Ammonium tridecafluorohexane-1-sulfonate  |
| -            | Ammonium/Ammonium salt and its compounds  |
| 1310-66-3    | Among lithium hydroxide monohydrate and a preparation containing the same, a preparation containing 0.3% or less of lithium hydroxide monohydrate         |
| 12172-73-5   | Amosite   |
| -            | Amphoteric fluorinated surfactant   |
| 62-53-3      | Aniline   |
| -            | Anilino substituted bis-triazinyl derivative of 4,4'-diaminostilbene-2,2'-disulfonic acid, mixed amine sodium salt (generic).                             |
| 77536-67-5   | Anthophyllite   |
| 120-12-7     | Anthracene  |
| -            | Anthracene oil  |
| -            | Anthracene oil, anthracene paste  |
| -            | Anthracene oil, anthracene paste, anthracene fraction   |
| -            | Anthracene oil, anthracene paste, distn. Lights   |
| -            | Anthracene oil, anthracene-low  |
| -            | Anthraquinonedicarboximide, diamino-N-alkyl-  |
| -            | Antimony and its compounds  |
| -            | Antimony double oxide   |
| -            | Antimony tris(dialkyldithiocarbamate)   |
| -            | Any kinds of gelatin made in China  |
| -            | Apple   |
| 27858-07-7   | ar,ar,ar,ar,ar',ar',ar'-Octabromobiphenyl   |
| -            | Aromatic acids and their anhydrides   |
| -            | Aromatic acrylate   |
| -            | Aromatic acrylate monomer   |
| -            | Aromatic aldehyde phenolic resin  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Aromatic amine compound   |
| -            | Aromatic amine polyols  |
| -            | Aromatic amine with cyclo amino carbonyls   |
| -            | Aromatic amines   |
| -            | Aromatic bromide  |
| -            | Aromatic epoxide resin  |
| -            | Aromatic hydrocarbon  |
| -            | Aromatic hydrocarbon  |
| -            | Aromatic hydrocarbon mixture  |
| -            | Aromatic isocyanate methacrylate blocked  |
| -            | Aromatic nitro compound   |
| -            | Aromatic polyamine  |
| -            | Aromatic polyester polyol   |
| -            | Aromatic sulfonic acid amino azo dye salts  |
| -            | Aromatic sulfonic acid compound with amine  |
| -            | Aromatic urethane acrylate oligomer   |
| -            | Arsenic and its inorganic compounds   |
| -            | Artificial musks such nitro musks and polycyclic musks  |
| -            | Aryl polyolefin (generic).  |
| -            | Aryl sulfonate of a fatty acid mixture, polyamine condensate  |
| -            | Aryloxyacrylate   |
| -            | Aryloxyalkyl amine  |
| -            | Aryloxyarene  |
| -            | Aryl-substituted alkane.  |
| 1332-21-4    | Asbestos  |
| 1332-21-4    | Asbestos  |
| -            | Aspartic acid, N,N'-(iminodi-alkanediyl)bis, tetraalkane esters   |
| -            | Azo chromium complex dyestuff preparation   |
| -            | Azo compounds   |
| -            | Azo dye and pigment forming specified   |
| -            | Azo monochloro triazine reactive dye  |
| -            | Azo nickel complex  |
| -            | Azodicarbonamide  |
| 359427-90-0  | Barium calcium manganese strontium oxide  |
| 12230-80-7   | Barium manganese oxide (BaMnO3)   |
| 1440529-21-4 | Barium molybdenum niobium tantalum tellurium vanadium zinc oxide  |
| 10294-39-0   | Barium perchlorate trihydrate<br>Barium perchlorate (trihydrate)  |
| -            | Baryum compounds  |
| 100-52-7     | Benzaldehyde  |
| 8001-54-5    | Benzalkonium chloride   |
| 73019-19-9   | Benzamide, 4-[[[4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptaecafluorooctyl)sulfonyl]propylamino]ethyl]amino]carbonyl]phenyl]methyl]-N-octadecyl-   |
| 4921-92-0    | Benzamide, N-[(cyclohexylamino)thioxomethyl]-   |
| 221667-31-8  | Benzamide, N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxy-  |
| -            | Benzenacetone, cyclohexylidene-alkyl substituted  |
| 130169-66-3  | Benzenamine, 2,5-dibutoxy-4-(4-morpholinyl)-, sulfate (1:?)   |
| 29091-20-1   | Benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-   |
| 15721-78-5   | Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-   |
| 10081-67-1   | Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]-   |
| 138859-29-7  | Benzenamine, 4-(1-methylbutoxy)-, hydrochloride (1:1)   |
| 94148-67-1   | Benzenamine, 4,4'-[[1,1'-biphenyl]-2,5-diylbis(oxy)]bis-  |
| 2716-10-1    | Benzenamine, 4,4'-[1,4-phenylenebis(1-methylethylidene)]bis-  |
| 2716-12-3    | Benzenamine, 4,4'-[1,4-phenylenebis(1-methylethylidene)]bis[2,6-dimethyl-   |
| 16298-38-7   | Benzenamine, 4,4'-methylenebis[2-methyl-6-(1-methylethyl)-  |
| 76176-94-8   | Benzenamine, 4,4'-methylenebis[N-ethyl-N-methyl-  |
| 106790-31-2  | Benzenamine, 4-isocyanato-N,N-bis(4-isocyanatophenyl)-2,5-dimethoxy-  |
| 93072-06-1   | Benzenamine, 4-methoxy-2-methyl-N-(3-methylphenyl)-   |
| 101-67-7     | Benzenamine, 4-octyl-N-(4-octylphenyl)-   |
| 4175-37-5    | Benzenamine, 4-octyl-N-phenyl   |
| 852360-51-1  | Benzenamine, 5-(1,1-dimethylethyl)-2-[(2-ethylhexyl)thio]-,4-methylbenzenesulfonate (1:1)   |
| 333955-69-4  | Benzenamine, N-phenyl-, ar-(C9-rich C8-10-branched alkyl) derivs.   |
| 333955-70-7  | Benzenamine, N-phenyl-, ar,ar'-(C9-rich C8-10-branched alkyl) derivs.   |
| 68921-45-9   | Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene (BNST)  |
| 71-43-2      | Benzene   |
| No. 106-46-7 | Benzene 1,4-dichloro  |
| 125904-10-1  | Benzene, (2-bromoethyl)-, ar-bromo derivs.  |
| 137873-52-0  | Benzene, 1-(1-methylbutoxy)-4-nitro-  |
| 186321-98-2  | Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer, Bu alc.-blocked  |
| -            | Benzene, 1,1'-methylenebis[4-isocyanato-, polymer with benzenedicarboxylic acid, butyl dialkyl ester, poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, oxirane, alkyl-, polymer with oxirane, ether with propanepolyol and Sartomer's HLBH P-3000 and Lexorez 1180 |
| 32536-52-0   | Benzene, 1,1'-oxybis-, octabromo deriv.   |
| -            | Benzene, 1,2-dimethyl-, polypropene derivatives, sulfonated, potassium salts  |
| 37133-18-9   | Benzene, 1,3-bis(1-chloro-1-methylethyl)-   |
| 27060-75-9   | Benzene, 1-bromo-4-methoxy-2-methyl-  |
| 125904-11-2  | Benzene, ethenyl-, ar-bromo derivs.   |
| 2536-05-2    | Benzene, 1,1'-methylenebis[2-isocyanato-  |
| 26447-40-5   | Benzene, 1,1'-methylenebis[isocyanato-  |
| 5873-54-1    | Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 552-30-7    | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride<br>trimellitic anhydride; TMA   |
| 52460-86-3  | Benzenoacetic acid, alpha-chloro-alpha-phenyl-, ethyl ester  |
| -           | Benzenoacetonitrile, alkoxy-[(alkylsulfonyloxy)imino]-   |
| -           | Benzenediazonium, [(((substituted)azo)phenyl)sulfonyl]amino-, coupled with aminophenol, diazotized aminobenzoic acid, diazotized (substituted) benzenesulfonic acid and naphthalenol   |
| 35358-78-2  | Benzenediazonium, 2-(methoxycarbonyl)-, chloride (1:1)   |
| 124737-31-1 | Benzenediazonium, 4-(dimethylamino)-, salt with 2-hydroxy-5-sulfobenzoic acid (1:1)  |
| -           | Benzenedicarboxylic acid, polymer with substituted alkanediol, dodecanedioic acid, 1,2-ethanediol, alkanedioic acid, alkanediol, alpha-hydro-omega-hydroxypoly[oxyalkanediyl], 1,3-isobenzofurandione, methylene diphenyl diisocyanate, 2-oxepanone, 2,2'-oxybis[ethanol] and polymethylene polyphenylene isocyanate |
| -           | Benzenoethanol, halo-,halocycloalkyl-,hydrazinealkyl-  |
| 90194-13-1  | Benzenemethanaminium, N-(3-aminopropyl)-N,N-dimethyl-, N-soya acyl derivs., chlorides  |
| -           | Benzenesulfonamide, alkylphenyl substituted phenyl substituted carbonyl-   |
| -           | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis(4,6-dichloro-1,3,5-triazin-2-yl) amino]-, disodium salt, substituted with dialkyl amines  |
| 198716-46-0 | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxypropyl)amino]-6-[(3-sulfohenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt, compd. with 2,2',2"-nitrilotris[ethanol] (1:2)   |
| -           | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[4-substituted-6-substituted-1,3,5-triazin-2-yl]amino]-, sodium salt  |
| 147170-38-5 | Benzenesulfonic acid, 4-methyl-, reaction products with 2-[(C10-16-alkyloxy)methyl]oxirane and 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine   |
| 198716-48-2 | Benzenesulfonic acid, 5-[[4-[bis(2-hydroxyethyl)amino]-6-[(3-sulfohenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[bis(2-hydroxypropyl)amino]-6-[(3-sulfohenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfohenyl]ethenyl]-, disodium salt, compd. with 2,2',2"-nitrilotris[ethanol] (1:2)                                 |
| -           | Benzenesulfonic acid, amino substituted phenylazo-   |
| -           | Benzenesulfonic acid, dimethyl-, alkyl derivatives, sodium salt  |
| 319926-68-6 | Benzenesulfonic acid, dodecyl-, branched, compds. with N1,N1-dimethyl-1,3-propanediamine (2:1)   |
| -           | Benzenesulfonic acid, mono C-10-16-alkyl derivs., compounds with 2-propen-1-amine and Alkyl benzene sulfonic acids and alkyl sulfates, amine salts.  |
| 195008-77-6 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. With 2-propen-1-amine   |
| 92-87-5     | Benzidine  |
| 92-87-5     | Benzidine and its salts  |
| 531-85-1    | Benzidine dihydrochloride  |
| -           | Benzidine-based chemical substances (4-(Substituted naphthalenyl)azo diphenyl azo-substituted carbopolycycle azo benzenesulfonic acid, sodium salt)  |
| -           | Benzidine-based chemical substances (4-(Substituted phenyl)azo biphenyl azo-substituted carbopolycycle azo benzenesulfonic acid, sodium salt)  |
| -           | Benzidine-based chemical substances (4-(Substituted phenyl)azo biphenyl azosubstituted carbopolycycloazo benzenesulfonic acid, sodium salt)  |
| -           | Benzidine-based chemical substances (Phenylazoaminohydroxynaphthalenylazobiphenylazo substituted benzene sodium sulfonate)   |
| 56-55-3     | Benzo(a)anthracene   |
| 50-32-8     | Benzo(a)pyrene (BaP)   |
| 205-99-2    | Benzo(b)fluoranthene   |
| 192-97-2    | Benzo(e)pyren (BeP)  |
| 191-24-2    | Benzo(g,h,i)perylene   |
| 207-08-9    | Benzo(k)fluoranthene   |
| 107-15-3    | Benzo[ghi]perylene   |
| 191-24-2    | Benzo[ghi]perylene   |
| 205-82-3    | Benzo[j]fluoranthene (BjFA)  |
| 65-85-0     | Benzoic acid and its salts   |
| -           | Benzoic acid azo-substituted pyridine  |
| 106276-78-2 | Benzoic acid, 2,3,4,5-tetrachloro-6-cyano-, methyl ester, reaction products with 4-[(4-aminophenyl)azo]-3-methylbenzenamine and sodium methoxide   |
| 144761-93-3 | Benzoic acid, 2-[(3-phenylbutylidene)amino]-, methyl ester   |
| 163879-69-4 | Benzoic acid, 3-amino-, diazotized, coupled with 6-amino-4-hydroxy-2-naphthalenesulfonic acid, diazotized P-(3-aminophenyl)phosphonic acid and diazotized 2,5-diethoxybenzenamine  |
| 71807-60-8  | Benzoic acid, 3-amino-2-mercapto-  |
| 925246-00-0 | Benzoic acid, 4-(dimethylamino)-, 1,1'-[(methylimino)di-2,1-ethanediyl] ester  |
| 86960-46-5  | Benzoic acid, 4-[(1-oxodecyl)oxy]-   |
| -           | Benzoic acid, 4-chloro-2- [(substituted)azo]-, strontium salt (1:1)  |
| 670241-72-2 | Benzoic acid, nonyl ester, branched and linear   |
| 119-61-9    | Benzophenone   |
| 94-18-8     | Benzyl 4-hydroxybenzoate   |
| 140-11-4    | Benzyl acetate   |
| 85-68-7     | Benzyl Butyl Phthalate (BBP)   |
| 100-44-7    | Benzyl chloride  |
| 98-07-7     | Benzylidene trichloride  |
| -           | Beryllium and its compounds  |
| 11108-64-8  | Beryllium copper   |
| 13597-95-0  | Beryllium perchlorate  |
| 622-86-6    | beta-chlorophenetole   |
| 135-19-3    | Betanaphthol   |
| 664980-30-7 | Bicyclo[2.2.1] heptanedimethanamine, N,N'-bis(1,2-dimethylpropylidene)-  |
| 22094-81-1  | Bicyclo[2.2.1]hept-2-ene, 5-butyl-   |
| 22094-85-5  | Bicyclo[2.2.1]hept-2-ene, 5-decyl-   |
| 22094-83-3  | Bicyclo[2.2.1]hept-2-ene, 5-hexyl-   |
| 22094-84-4  | Bicyclo[2.2.1]hept-2-ene, 5-octyl-   |
| -           | Bimodal mixture consisting of multi-walled carbon nanotubes and other classes of carbon nanotubes (generic).   |
| -           | Biocides   |
| 92-52-4     | Biphenyl   |
| -           | Biphenyl alkyl morpholino ketone   |
| -           | Biphenyl substituted benzopyran  |
| 117-82-8    | Bis (2-methoxyethyl) phthalate (DMEP)  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 542-88-1     | Bis (chloromethyl) ether   |
| -            | Bis heterocyclic phenylene derivative  |
| 80-43-3      | Bis(1-methyl-1-phenylethyl) peroxide   |
| -            | Bis(2,2,6,6-tetramethylpiperidinyl) ester of cycloalkyl spiroketal   |
| 1094213-37-2 | Bis(2-chloroethyl) {2-[(2-bis(2-hydroxyethyl)amino)ethyl](2-chloroethoxy)phosphoryloxy]ethyl}; phosphonate   |
| 70225-17-1   | Bis(2-hydroxyethyl)ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate   |
| 70225-15-9   | Bis(2-hydroxyethyl)ammonium pentadecafluoroheptane-1-sulphonate  |
| 80-07-9      | Bis(4-chlorophenyl) sulphone   |
| 10380-28-6   | Bis(8-quinolinolato)copper; oxine-copper   |
| -            | Bis(imidoethylene) benzene   |
| 27987-25-3   | Bis(methylcyclohexyl) phthalate  |
| 70225-20-6   | Bis(N,N,N-trimethyl-3-[(pentadecafluoroheptyl)sulfonyl]amino)propan-1-aminium) sulfate   |
| 70248-52-1   | Bis(N,N,N-trimethyl-3-[(tridecafluoroheptyl)sulfonyl]amino)propan-1-aminium) sulfate   |
| 21544-03-6   | Bis(oxiran-2-ylmethyl) cyclohex-4-ene-1,2-dicarboxylate  |
| 19372-44-2   | Bis(pentane-2,4-dionato)calcium  |
| 31732-71-5   | Bis(tributyltin) 2,3-dibromosuccinate  |
| 6454-35-9    | Bis(tributyltin) fumarate  |
| 14275-57-1   | Bis(tributyltin) maleate   |
| 4782-29-0    | Bis(tributyltin) phthalate   |
| 32315-10-9   | Bis(trichloromethyl) carbonate   |
| 70225-26-2   | Bis[3-[(heptadecafluoroocetyl)sulfonamido]propyl] (trimethylammonium) sulfate  |
| 21055-88-9   | Bis[2-[ethyl[(heptadecafluoroocetyl)sulphonyl]amino]ethyl] (4-methyl-1,3-phenylene)dicarbamate   |
| 67939-93-9   | Bis[2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl] hydrogen phosphate  |
| 2965-52-8    | Bis[2-[N-ethyl(heptadecafluoroocetanesulphonyl)amino]ethyl] hydrogen phosphate   |
| 93705-66-9   | Bis[3,5-dimethyl-4-(oxiran-2-ylmethoxy)phenyl]methane  |
| -            | Bis[phenyl, 2H-1,3-benzoxazine]derivative  |
| -            | Bis[phenyl-2H-1,3-benzoxazine]derivative   |
| 70225-24-0   | Bis(trimethyl-3-[(undecafluoropentyl)sulphonyl]amino)propylammonium) sulphate  |
| 68081-83-4   | Bis[2-[(N-ethyl-perfluoroalkyl(C=4-8))sulfonylamino]ethyl] (4-methyl-1,3-phenylene)dicarbamate   |
| -            | Bisalkylated fatty alkyl amine oxide   |
| -            | Bismuth and its compounds  |
| -            | Bismuth compound (generic).  |
| 1417164-49-8 | Bismuth nitrate oxide (Bi3(NO3)O4)   |
| 80-05-7      | Bisphenol A (4,4-Isopropylidene diphenol)  |
| 40039-93-8   | Bisphenol A diglycidyl ether, brominated   |
| 1675-54-3    | Bisphenol A diglycidylether (BADGE)  |
| 3253-39-2    | Bisphenol A dimethacrylate   |
| -            | Bisphenol A, epichlorohydrin, polyalkylenepolyol and polyisocyanato derivative   |
| 000080-05-7  | Bisphenol A-2,2,-BIS(4-hydroxyphenyl)propane   |
| -            | Bisphenol derivative   |
| 39817-09-9   | Bisphenol F diglycidyl ether (BFDGE)   |
| 000080-09-1  | Bisphenol s - 4,4'-dihydroxydiphenyl sulphone  |
| 80-09-1      | Bisphenol S (BPS)  |
| -            | Bisphenol S mono ether   |
| -            | Bis-phenoxyethanol fluorene diacrylate   |
| -            | Bisphospite nickel cyanoalkyl complex  |
| -            | Bisxylenol diglycidyl ether polymer  |
| -            | Block isocyanate   |
| -            | Blocked polymeric isocyanate   |
| 10043-35-3   | Boric acid   |
| 183290-62-2  | Boric acid (H3BO3), mixed esters with polyethylene glycol mono-Bu ether and polyethylene glycol mono-Me ether  |
| -            | Boric acid, alkyl and substituted alkyl esters   |
| -            | Boron and its compounds  |
| -            | Boron halide complex   |
| 200443-98-7  | Boron sodium oxide (B5NaO8), labeled with boron-10   |
| 2312-73-4    | BPA, Pyranil Benzyladenine, N-Benzyl-9-(2-tetrahydropyranil)adenine  |
| -            | Branched and linear alcohols   |
| -            | Branched and linear fatty alcohol ethoxylate   |
| -            | Branched synthetic fatty acid  |
| 7726-95-6    | Bromide  |
| -            | Brominated & Chlorinated flame retardants  |
| -            | Brominated aliphatic alcohol   |
| -            | Brominated aromatic compound   |
| -            | Brominated aromatic ester  |
| -            | Brominated filtration residue  |
| -            | Brominated phthalate ester   |
| -            | Brominated polyaromatic compound   |
| 1195978-93-8 | Brominated polymer of buta-1,3-diene / styrene   |
| -            | Brominated polyphenyl ether  |
| -            | Brominated polyurethane prepolymers of methylene diphenyl diisocyanate (MDI)   |
| -            | Brominated triazine derivative   |
| -            | Bromine, manufacture of, byproducts from, distillation residues  |
| 1511-62-2    | Bromo(difluoro)methane   |
| 353-59-3     | Bromochlorodifluoromethane; halone-1211  |
| 75-27-4      | Bromodichloromethane   |
| 74-83-9      | Bromomethane   |
| 75-63-8      | Bromotrifluoromethane; halone-1301   |
| -            | Buckwheat  |
| 78245-94-0   | Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(2,1-diazenediyl)]bis[N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-                                   |
| -            | Butanamide, 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo-, 4-[(17-substituted-3,6,9,12,15-pentaazaeptaec-1-yl)substituted]phenyl derivs., hydrochlorides |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.                | Substance   |
|------------------------|---|
| -                      | Butanamide,N-[substituted phenyl]-[(alkoxynitrophenyl)diazenyl]-3-oxo-  |
| -                      | Butanedioic acid, 2-methylene-, dialkyl ester (generic)   |
| 1134078-27-5           | Butanedioic acid, 2-methylene-, polymer with 2,5-furandione, copper(2+) manganese(2+) sodium zinc salt, hydrogen peroxide-initiated   |
| -                      | Butanedioic acid, alkyl amine, dimethylbutyl ester (generic)  |
| -                      | Butanoic acid, 3-mercapto-, 1,1'-[2-(hydroxymethyl)-2-(substituted-1-oxoalkoxy)methyl]-1,3-propanediyl] ester   |
| -                      | Butanoic acid, 3-mercapto-, 1,1'-[2-bis(substituted-1-oxoalkoxy)methyl]-1,3-propanediyl] ester  |
| 888021-82-7            | Butanoic acid, 3-mercapto-2-methyl-, ethyl ester  |
| 53856-17-0             | Butanoic acid, antimony(3+) salt  |
| -                      | Butoxy-substituted ether alkane   |
| 94-26-8                | Butyl 4-hydroxybenzoate   |
| 94-26-8                | Butyl 4-hydroxybenzoate   |
| 123-86-4               | Butyl acetate   |
| -                      | Butyl acrylate, polymer with substituted methyl styrene, methyl methacrylate, and substituted silane  |
| -                      | Butyl aromatic bisurea  |
| 94-26-8                | Butyl paraben   |
| 122008-85-9            | Butyl(R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate; cyhalofop-butyl  |
| 128-37-0               | Butylated hydroxytoluene (BHT)  |
| 25013-16-5             | Butylhydroxyanisole; BHA  |
| -                      | C.I. Disperse Red 152   |
| -                      | Cadmium and its compounds   |
| 513-78-0               | Cadmium carbonate   |
| 21041-95-2             | Cadmium hydroxide   |
| 10022-68-1, 10325-94-7 | Cadmium nitrate   |
| 13760-37-7             | Cadmium perchlorate   |
| 79490-00-9             | Cadmium perchlorate   |
| 10326-28-0             | Cadmium perchlorate · hexahydrate   |
| 471-34-1               | Calcium Carbonate   |
| 1262279-30-0           | Calcium cobalt lead strontium titanium tungsten oxide   |
| 1262279-31-1           | Calcium cobalt lead titanium tungsten oxide   |
| 156-62-7               | Calcium cyanamide   |
| 14866-19-4             | Calcium dihydrogenpyrophosphate   |
| 13169-90-9             | Calcium hydroxide oxide silicate (Ca6(OH)2O2(Si2O5)3)   |
| -                      | Capped aliphatic isocyanate   |
| -                      | Caprolactone homopolymer of substituted benzotriazole   |
| 173584-44-6            | Carbamoyl[indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate; indoxacarb   |
| -                      | Carbide derived nanocarbon  |
| -                      | Carbomonocycle, bis[(4-methylphenoxy)methyl]-   |
| -                      | Carbomonocycles, polymer with substituted heteromonocycle, succinate, methyl acrylate (generic)   |
| -                      | Carbon black derived from the pyrolysis of rubber tire shreds   |
| -                      | Carbon black, (3-methylphenyl)-modified, substituted  |
| -                      | Carbon black, (4-methylphenyl)-modified, substituted  |
| -                      | Carbon black, 4-[(17-substituted-3,6,9,12,15-pentaazaheptadec-1-yl) substituted] phenyl-modified, hydrochlorides  |
| -                      | Carbon black, 4-[[2-(Sulfooxy) ethyl]substituted] phenyl-modified, sodium salts   |
| 75-15-0                | Carbon disulfide  |
| -                      | Carbon nanotube (generic).  |
| 39345-87-4             | Carbon silicon oxide  |
| 513-79-1               | Carbonic acid, cobalt(2+) salt (1:1)  |
| -                      | Carbonic acid, dialkyl ester  |
| 26504-29-0             | Carbonotrithioic acid, bis(phenylmethyl) ester  |
| 353-50-4               | Carbonyl difluoride   |
| -                      | Carbopolycyclicol azoalkylaminoalkylcarbomonocyclic ester, halogen acid salt  |
| -                      | Carboxylic acid glycidyl esters   |
| -                      | Carboxylic acid, substituted alkylstannylene ester, reaction products with inorganic acid tetra alkyl ester   |
| -                      | Carboxylic acids, (C6-C9) branched and linear   |
| -                      | Carboxylic anhydride, polymer with hydro- hydroxypoly(oxy-1,2-diethanediyl), compd. With 2,3,4,6,7,8,9,10-octahydropyrimido-[1,2-a]azepine  |
| -                      | Cardanol-based alkyl phosphate  |
| -                      | Carmine Coated Titanated Mica   |
| -                      | Carmine Iron Blue Coated Titanated Mica   |
| -                      | Carmine/Cochineal extract   |
| 1462343-28-7           | Cashew, nutshell liq., polymer with formaldehyde, reaction products with diethanolamine and diisopropanolamine  |
| 8062-08-6              | Cassiterite   |
| -                      | Castor oil, polymer with hydrogenated vegetable oil, 1,1'-methylenebis(isocyanatobenzene) and isocyanate  |
| -                      | Celery and products thereof   |
| 9004-35-7              | Cellulose acetate   |
| -                      | Cereals containing gluten and products thereof  |
| -                      | Cerium, hydroxy oleate propionate complexes   |
| -                      | Certain 1,3,5-triazin-2-amine, 4-dimethylamino-6-substituted (1,3,5-Triazine-2-amine, 4-dimethylamino-6-substituted)  |
| -                      | Certain aromatic ether diamines (1,2,4,5-Benzenetetracarboxylic acid, 1,4-diethyl ester, compound with 4,4'-[[1,1'-biphenyl]-2,5-diy]bis(oxy)]bis[benzenamine] (1:1), polymer with 4,4'-[[1,1'-biphenyl]-2,5-diy]bis(oxy)]bis[benzenamine]-1,5-diethyl-1,2,4,5-benzenetetracarboxylate (1:1), reaction products with phthalic anhydride)  |
| -                      | Certain disubstituted alkyl triazines (Disubstituted alkyl triazines)   |
| -                      | Certain perfluoroalkyl sulfonates (2-Propenoic acid, 2-methyl-, butyl ester, polymer with 2-[ethyl]heptadecafluoroethyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl]tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-propenoic acid) |
| -                      | Certain perfluoroalkyl sulfonates (Fluorinated polysiloxane)  |
| -                      | Certain perfluoroalkyl sulfonates (Fluoroalkyl derivative)  |
| -                      | Certain perfluoroalkyl sulfonates (Fluorochemical epoxide)  |
| -                      | Certain perfluoroalkyl sulfonates (Fluorochemical esters)   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.             | Substance   |
|---------------------|---|
| -                   | Certain perfluoroalkyl sulfonates (Modified fluoroaliphatic adduct)   |
| -                   | Certain perfluoroalkyl sulfonates (Perfluorooctane sulfonate)   |
| -                   | Certain perfluoroalkyl sulfonates (Polymethylenepolyphenylene isocyanate and bis(4-NCO-phenyl)methane reaction products with 2-ethyl-1-hexanol, 2-butanone, oxime, N-ethyl-N-(2-hydroxyethyl)-1-C4-C8 perfluoroalkanesulfonamide)   |
| -                   | Certain polybrominated diphenylethers.  |
| -                   | Certain salts of an acrylate copolymer (Salt of an acrylate copolymer)  |
| -                   | Certain substituted phenyl azo substituted phenyl esters (Substituted phenyl azo substituted phenyl esters)   |
| -                   | Certain trifunctional ketoximino silanes (Trifunctional ketoximino silane)  |
| 52350-17-1          | Cesium tungsten oxide   |
| -                   | Cetareth-25 sorbate   |
| 354-56-3            | CFC-111 (C2FC15) Pentachlorofluoroethane  |
| 76-12-0             | CFC-112 (C2F2Cl4) Tetrachlorodifluoroethane   |
| 76-13-1             | CFC-113 (C2F3Cl3) 1,1,2-Trichlorotrifluoroethane  |
| 76-14-2             | CFC-114 (C2F4Cl2) Dichlorotetrafluoroethane   |
| 76-15-3             | CFC-115 (C2F5Cl) Monochloropentafluoroethane  |
| 422-78-6            | CFC-211 (C3FC17) Heptachlorofluoropropane   |
| 3182-26-1           | CFC-212 (C3F2Cl6) Hexachlorodifluoropropane   |
| 165977              | CFC-213 (C3F3Cl5) Pentachlorotrifluoropropane   |
| 29255-31-0          | CFC-214 (C3F4Cl4) Tetrachlorotetrafluoropropane   |
| 4259-43-2           | CFC-215 (C3F5Cl3) Trichloropentafluoropropane   |
| 661-97-2            | CFC-216 (C3F6Cl2) Dichlorohexafluoropropane   |
| 422-86-6            | CFC-217 (C3F7Cl) Chloroheptafluoropropane   |
| 57-74-9             | Chlordane   |
| -                   | Chlorinated Flame Retardants  |
| 71011-12-6          | Chlorinatedalkanes C12-13   |
| -                   | Chlorine and its compounds  |
| 184530-92-5         | Chlorine containing aliphatic polyphosphate   |
| -                   | Chloro fluoro alkane  |
| 96-10-6             | Chloro(diethyl)aluminium  |
| 107-20-0            | Chloroacetaldehyde  |
| 79-11-8             | Chloroacetic acid   |
| 71011-12-6          | Chloroalkanes(C=12-13)  |
| 108-42-9            | Chloroaniline   |
| 108-90-7            | Chlorobenzene   |
| 75-45-6             | Chlorodifluoromethane; HCFC-22  |
| 75-01-4             | Chloroethylene; vinyl chloride (VCM)  |
| 67-66-3             | Chloroform  |
| -                   | Chloroformate   |
| 107-07-3            | Chlorohydrins   |
| -                   | Chlorohydroxyalkyl butyl ether  |
| 74-87-3             | Chloromethane; methyl chloride  |
| 76-15-3             | Chloropentafluoroethane; CFC-115  |
| 4109-96-0           | Chlorosilane  |
| -                   | Chlorotrifluoroethane; HCFC-133   |
| 75-72-9             | Chlorotrifluoromethane; CFC-13  |
| -                   | Chromate(2-), [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitro-1-substituted][N-[7-hydroxy-8-[(2-hydroxy-5-nitrophenyl)azo]-1-substituted]-, salt   |
| 118716-61-3         | Chromate(3-), [7-[2-(aminohydroxyphenyl)diazanyl]-3-[2-[5-(aminosulfonyl)-2-(hydroxy-kappa.O)phenyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-2-naphthalenesulfonato(3-)]][3-[2-[5-(aminosulfonyl)-2-(hydroxy-kappa.O)phenyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-7-[2-[2-hydroxy-1-[(phenylamino)carbonyl]-1-propen-1-yl]diazanyl]-2-naphthalenesulfonato(3-)]-, sodium (1:3) |
| -                   | Chromate(3-), bis 2-[[substituted-3-[(5-sulfo-1-naphthalenyl)azo] phenyl]azo]substituted monocycle, trisodium   |
| 327177-98-0         | Chromate(3-), bis[3-[2-[4-amino-1,6-dihydro-2-[[[4-[2-(2-hydroxy-1-naphthalenyl)diazanyl]phenyl]sulfonyl]amino]-6-(oxo-kappa.O)-5-pyrimidinyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-5-nitrobenzenesulfonato(3-)]-, sodium salts, compds. with triethanolamine  |
| 119535-63-6         | Chromate(3-), bis[3-[2-[5-(aminosulfonyl)-2-(hydroxy-kappa.O)phenyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-7-[2-[2-oxo-1-[(phenylamino)carbonyl]propyl]diazanyl]-2-naphthalenesulfonato(3-)]-, sodium (1:3)   |
| 178452-72-7         | Chromate(3-), bis[3-[2-[6-amino-1,4-dihydro-2-[[[4-[2-(2-hydroxy-1-naphthalenyl)diazanyl]phenyl]sulfonyl]amino]-4-(oxo-kappa.O)-5-pyrimidinyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-5-nitrobenzenesulfonato(3-)]-, sodium (1:3)  |
| 118716-62-4         | Chromate(3-), bis[7-[2-(aminohydroxyphenyl)diazanyl]-3-[2-[5-(aminosulfonyl)-2-(hydroxy-kappa.O)phenyl]diazanyl-kappa.N1]-4-(hydroxy-kappa.O)-2-naphthalenesulfonato(3-)]-, sodium (1:3)  |
| 159574-72-8         | Chromate(5-), bis[4-(hydroxy-kappa.O)-7-[2-(2-hydroxy-1-naphthalenyl)diazanyl]-3-[2-(2-(hydroxy-kappa.O)-3-nitro-5-sulphophenyl]diazanyl]-2-naphthalenesulfonato(4-)]-, sodium (1:5)  |
| 37337-13-6          | Chromated Copper Arsenate   |
| -                   | Chromic acid/ Dichromic acid / Oligomers of chromicacid and dichromicacid   |
| -                   | Chromium (Cr III) complex of N-ethyl-N-heptadecylfluoro-octane sulfonyl glycine.  |
| -                   | Chromium and chromium(III) compounds  |
| 13537-21-8          | Chromium perchlorate (III)  |
| 34215-66-2          | Chromium perchlorate (III) · decahydrate  |
| 56269-88-6          | Chromium perchlorate (III) · dihydrate  |
| 55147-94-9          | Chromium perchlorate (III) · hexahydrate  |
| 25013-81-4          | Chromium perchlorate (III) · nonahydrate  |
| -                   | Chromium(VI) compounds  |
| 218-01-9, 1719-03-5 | Chrysene  |
| 12001-29-5          | Chrysotile  |
| 156-59-2            | Cis-1,2-dichloroethylene  |
| -                   | Cobalt and its compounds  |
| 7646-79-9           | Cobalt dichloride   |
| -                   | Cobalt iron manganese oxide, carboxylic acid-modified   |
| 182442-95-1         | Cobalt lithium manganese nickel oxide   |
| 13478-33-6          | Cobalt perchlorate (II) · hexahydrate   |
| 61789-40-0          | Cocamidopropyl betaine  |
| -                   | Coco acid triamine condensate, polycarboxylic acid salts  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Coco alklydimethyl amine salts  |
| 94113-91-4   | Coke (coal), secondary pitch  |
| 8050-09-7    | Colophony (resin)   |
| -            | Colorants or Pigments   |
| 1306-08-7    | Columbite-tantalite   |
| -            | COMMISSION REGULATION (EU) 2019/1338  |
| 8018-01-7    | Complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate); mancozeb  |
| -            | Complex halogenated salt of tris(ethylatedaminocarbocyclic)methane  |
| -            | Complex strontium aluminate, rare earth doped   |
| 306977-58-2  | Compound of 2,2'-(methylimino)diethanol and (hydrolyzed polymer of acrylic acid / 2-(N-methylperfluoroalkyl(C=4-8)sulfonamido)ethyl acrylate / 3-(trimethoxysilyl)propyl methacrylate / propylene glycol monoacrylate)                                    |
| 1456803-14-7 | Compound of 2,2',2''-nitrilotriethanol and (polymer of 2-methyloxirane / oxirane monohexadecyl ether phosphate)   |
| 70225-14-8   | Compound of 2,2'-iminodiethanol and perfluorooctane-1-sulfonic acid (1:1)   |
| 1456803-12-5 | Compound of 2-aminoethanol and polymer of 2-methyloxirane / (monohexadecyl ether of oxirane) phosphate  |
| 66034-17-1   | Compound of diphosphoric acid and piperazine  |
| 21160-95-2   | Compound of methylcarbomodithioic acid and methanamine (1:1)  |
| 70225-16-0   | Compound of tridecafluorohexane-1-sulfonic acid and 2,2'-iminodiethanol (1:1)   |
| -            | Copolymer of alkyl acrylate and ethyleneglycol dimethacrylate   |
| -            | Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate (only those containing 8 carbon atoms in alkyl group of alkyl acrylate)   |
| -            | Copolymer of anhydride, a diol and a disubstituted diol   |
| -            | Copolymer of dimethyl succinate and (4-hydroxy-2,2,6,6-tetramethylpiperidin-1-yl) ethanol   |
| -            | Copolymers of perfluorinated and alkyl methacrylates (generic).   |
| -            | Copolymers of phenol and aromatic hydrocarbon   |
| -            | Copper and its compounds  |
| 144972-86-1  | Copper gallium indium selenide  |
| 13770-18-8   | Copper perchlorate (II)   |
| 10294-46-9   | Copper perchlorate (hexahydrate · crystal)  |
| -            | Copper perchlorate (hexahydrate)  |
| -            | Copper salts (water-soluble, except complex salts)  |
| 10534-87-9   | Copper(2+), tetraammine-, chloride (1:2)  |
| -            | Copper, [29H, 31H-phthalocyaninato (2-)-N29, N30, N31, N32]-, 4-[(17-substituted-3,6,9,12,15-pentaazaheptadec-1-yl) substituted] phenyl derivs., hydrochlorides   |
| 24484-01-3   | Copper, chloro[tris(2-chloroethyl) phosphite- $\kappa$ .P]-   |
| 15709-82-7   | Copper, iodotris(triphenylphosphine)-, (T-4)-   |
| 61789-28-4   | Creosote oil  |
| 90640-84-9   | Creosote oil, acenaphthene fraction   |
| 8021-39-4    | Creosote, wood  |
| 1319-77-3    | Cresol  |
| 12001-28-4   | Crocidolite   |
| -            | Crustaceans and products thereof  |
| 98-82-8      | Cumene  |
| 1078726-28-9 | Cuprate(3-), [3-[2-[5-(hydroxy- $\kappa$ .O)-4-[2-[1-(hydroxy- $\kappa$ .O)-6-(phenylamino)-3-sulfo-2-naphthalenyl]diazanyl- $\kappa$ .N1]-2-methylphenyl]diazanyl]-1,5-naphthalenedisulfonato(5-)], ammonium (1:3)                                       |
| 1078726-27-8 | Cuprate(3-), [3-[2-[5-(hydroxy- $\kappa$ .O)-4-[2-[1-(hydroxy- $\kappa$ .O)-6-(phenylamino)-3-sulfo-2-naphthalenyl]diazanyl- $\kappa$ .N1]-2-methylphenyl]diazanyl]-1,5-naphthalenedisulfonato(5-)], hydrogen, compd. with 2,2'-iminobis[ethanol] (1:3:3) |
| -            | Cuprate, [((((([sulfonaphthalenyl]azo)-(substitutedphenyl)azo)-(substitutedsulfonaphthalenyl)azo]-substituted phenyl-substituted heteromonocycle), sodium salts   |
| 420-04-2     | Cyanamide   |
| 108-80-5     | Cyanuric Acid   |
| 675-14-9     | Cyanuric fluoride   |
| -            | Cyclic amide  |
| -            | Cyclic amine reaction product with acetophenone and formaldehyde acid salt  |
| -            | Cyclic carboxylic acid, polymer with dihydroxy dialkyl ether, hydroxy substituted alkane and carboxylic acid anhydride, methacrylate terminated polyester   |
| -            | Cycloaliphatic epoxy resin  |
| -            | Cycloalkylamino cocoalkyl alkylamide acid salts   |
| -            | Cycloalkylamino oleyl alkylamide acid salts   |
| 85-43-8      | Cyclohex-4-ene-1,2-dicarboxylic acid anhydride and preparation containing the same  |
| 164383-18-0  | Cyclohexanamine, N,N-dimethyl-, compd. with $\alpha$ .-isotridecyl- $\omega$ .-hydroxypoly(oxy-1,2-ethanediyl) phosphate  |
| 1014979-92-0 | Cyclohexane, oxidized, by-products from, distn. residues  |
| 38582-17-1   | Cyclohexanecarboxylic acid, cobalt(2+) salt   |
| -            | Cyclohexanedicarboxylic acid, dialkyl ester   |
| 163119-16-2  | Cyclohexanol, 2,6-bis(1,1-dimethylethyl)-4-methyl-  |
| 108-91-8     | Cyclohexylamine   |
| -            | Cyclooctadiene metal derivatives  |
| 15290-77-4   | Cyclopentane, 1,1,2,2,3,3,4-heptafluoro-  |
| 5614-37-9    | Cyclopentane, methoxy-  |
| 1892-03-1    | Cyclopentene, 1,3,3,4,4,5,5-heptafluoro-  |
| 1489-69-6    | Cyclopropanecarboxaldehyde  |
| 7696-12-0    | Cyclopropanecarboxylate; tetramethrin   |
| 206886-57-9  | Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptafluoroundecyl)-2,4,6,8-tetramethyl-, Si-[3-(oxiranylmethoxy)propyl] derivs   |
| 17232-95-0   | Cyclotetrasiloxane, 2,4,6,8-tetrakis[3-[2-(2-methoxyethoxy)ethoxy]propyl]-2,4,6,8-tetramethyl-  |
| 52315-07-8   | Cypermethrin  |
| 1163-19-5    | Decabromodiphenyl ether   |
| 143-50-5     | Decachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one (Synonym: Chlordecone)  |
| 65455-72-3   | Decaethylene glycol, isononylphenyl ether   |
| 68156-06-9   | Decafluoro(pentafluoroethyl)cyclohexanesulphonyl fluoride   |
| 68318-34-3   | Decafluoro(trifluoromethyl)cyclohexanesulphonyl fluoride  |
| 541-02-6     | Decamethylcyclopentasiloxane (D5)   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 112-31-2    | Decanal or Decyl aldehyde  |
| 124-18-5    | Decane   |
| 334-48-5    | Decanoic acid  |
| 833482-31-8 | Decene, branched and linear  |
| 13650-89-9  | Dechlorane A   |
| 25339-17-7  | Decyl alcohol; decanol   |
| -           | Derivative of tetrachloroethylene  |
| 111-42-2    | Dethanolamine and its condensate   |
| -           | D-Glucitol, alkylamino-N-acyl derivs.  |
| 117-81-7    | Di-(2-ethylhexyl) phthalate (DEHP)   |
| -           | Dialkenylamide   |
| -           | Dialkylcornoilamidoalkylbetaine  |
| -           | Di-alkyl borane  |
| -           | Dialkyl dimethyl ammonium carbonate  |
| -           | Dialkyl dimethyl ammonium carbonate (2:1)  |
| -           | Dialkyl dimethyl ammonium methylcarbonate  |
| -           | Dialkyl dithiocarbamate esters   |
| -           | Dialkyl ether  |
| -           | Dialkyl fattyalkylamino propanamide alkylamine (generic).  |
| -           | Dialkyl fattyalkylamino propanamide alkylamine acetates (generic).   |
| -           | Dialkyl hydroxybenzenealkanoic acid ester  |
| -           | Dialkyl phosphorodithioate phosphate compounds   |
| -           | Dialkylamidoimidazoline  |
| -           | Dialkylamino alkylamide inner salt (generic).  |
| -           | Dialkylamino cocoalkyl alkylamide acid salt  |
| -           | Dialkylaminophenyl imino pyrazole acid ester   |
| -           | Dialkylaminopropyl aminopropanoate ester (generic).  |
| -           | Dialkylcocoamidoalkylpropionate  |
| -           | Dialkylcornoilamidoacrylate  |
| -           | Dialkylcornoilamidoalkylamine  |
| -           | Dialkylcornoilamidopropionate  |
| -           | Dialkylidithiophosphoric acid, aliphatic amine salt  |
| -           | Dialkylol amine, polymer with succinic anhydride and aromatic carboxylic acid (generic).   |
| 61386-02-5  | Diallyl 5,5'-methylenedianthranilate   |
| 131-17-9    | Diallyl phthalate  |
| 67969-69-1  | Diammonium 2-(N-ethylperfluorooctane-1-sulfonamido)ethyl phosphate   |
| 67939-98-4  | Diammonium 2-[ethyl]([pentadecafluoroheptyl]sulphonyl)amino]ethyl phosphate  |
| -           | Di-ammonium di-carboxylate (generic).  |
| 119-90-4    | Dianisidine and its salts  |
| 68891-96-3  | Diaquatetrachlorido- $\mu$ -[(N-ethylperfluorooctane-1-sulfonamido)acetato]- $\mu$ -hydroxido-bis[(2-methylpropan-1-ol)chromium] |
| 68891-97-4  | Diaquatetrachloro[ $\mu$ -[N-ethyl-N-(pentadecafluoroheptyl)sulphonyl]glycinato-O1:O1']- $\mu$ -hydroxybis(propan-2-ol)chromium  |
| 68891-98-5  | Diaquatetrachloro[ $\mu$ -[N-ethyl-N-(tridecafluoroheptyl)sulphonyl]glycinato-O1:O1']- $\mu$ -hydroxybis(propan-2-ol)dichromium  |
| 68891-99-6  | Diaquatetrachloro[ $\mu$ -[N-ethyl-N-(undecafluoropentyl)sulphonyl]glycinato-O1:O1']- $\mu$ -hydroxybis(propan-2-ol)dichromium   |
| 1303-28-2   | Diarsenic Pentoxide  |
| 510-30-5    | Diarsenic Trioxide   |
| -           | Diazo substituted carbomonocyclic metal complex  |
| -           | Diazotized substituted heteromonocycle coupled with naphthalene sulfonic acid derivative, nickel complex, alkaline salt          |
| 53-70-3     | Dibenz(a,h)anthracene  |
| -           | Dibenzimidazothianaphthalene   |
| 191-30-0    | Dibenzo (a,1) pyrenes  |
| 192-65-4    | Dibenzo (a,e) pyrenes  |
| 189-64-0    | Dibenzo (a,h) pyrenes  |
| 189-55-9    | DIBENZO (A,1) PYRENE   |
| 189-55-9    | Dibenzo (a,i) pyrenes  |
| 189-64-0    | DIBENZO [B,DEF] CHRYSENE   |
| 224-42-0    | Dibenzo(a,j) acridine  |
| 103-50-4    | Dibenzyl ether   |
| 10192-46-8  | Diboron trizinc hexaoxide  |
| 14720-55-9  | Diboron zinc tetraoxide  |
| 124-48-1    | Dibromochloromethane   |
| 35691-65-7  | Dibromodicyanobutane   |
| 3296-90-0   | Dibromoneopentyl-glycol  |
| -           | Dibromotetrafluoroethane; halone-2402  |
| 84-74-2     | Dibutyl phthalate (DBP)  |
| 109-43-3    | Dibutyl sebacate   |
| 22673-19-4  | Dibutylbis(pentane-2,4-dionato-O,O')tin  |
| 22673-19-4  | Dibutylbis(pentane-2,4-dionato-O,O')tin  |
| -           | Dicarboheterocycle-substituted carbomonocycledicarboxamide   |
| -           | Dicarbomonocycle-substituted carbomonocycledicarboxamide   |
| -           | Dicarboxylic acid monoester  |
| -           | Dichloro, hydroxy, hydrazino-carbomonocycle  |
| -           | Dichloro, hydroxy, hydrazino-carbomonocycle-monohydrochloride  |
| 79-43-6     | Dichloroacetic acid  |
| 27134-27-6  | Dichloroaniline  |
| 95-50-1     | Dichlorobenzene  |
| 75-71-8     | Dichlorodifluoromethane; CFC-12  |
| 75-43-4     | Dichlorofluoromethane; HCFC-21   |
| -           | Dichloropentafluoropropane; HCFC-225   |
| -           | Dichlorotetrafluoroethane; CFC-114   |
| -           | Dicyandiamide and its derivatives  |
| 84-61-7     | Dicyclohexyl phthalate (DCHP)  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 84-61-7     | Dicyclohexyl phthalate (DCHP)  |
| -           | Dicyclohexylmethane-4,4'-diisocyanate, polymer with ethoxylated, propoxylated polyethers   |
| 77-73-6     | Dicyclopentadiene  |
| -           | Dicyclopentadiene polymer with maleic anhydride and alkyl alcohols   |
| 94-37-1     | Dicyclopentamethylenethiuram disulfide   |
| 251099-16-8 | Didecan-1-yl(dimethyl)ammonium perfluorooctane-1-sulfonate   |
| 7173-51-5   | Didecyl dimethyl ammonium chloride (DDAC)  |
| 123-28-4    | Didodecyl 3,3'-thiodipropionate  |
| -           | Diethanolamine salt of polymeric acid  |
| -           | Diethoxybenzenamine derivative, diazotized, coupled with aminonaphthalenesulfonic acid derivative, ammonium salt                       |
| 71463-80-4  | Diethyl [3-(N-ethylperfluorooctane-1-sulfonamido)propan-1-yl]phosphonate   |
| 84-66-2     | Diethyl phthalate (DEP)  |
| 976-56-7    | diethyl[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]phosphonate   |
| -           | Diethylene glycol, polymer with diisocyanatoalkane, polyethylene glycol monomethyl ether- and fluorinatedalkanol-blocked               |
| -           | Diglycidylamine  |
| -           | Dihydro quinacridone derivative  |
| 84-69-5     | Diisobutyl phthalate (DIBP)  |
| -           | Diisocyanate terminated polycarbodiimide   |
| 26761-40-0  | Diisodecyl phthalate (DIDP)  |
| 71850-09-4  | Diisohexyl phthalate   |
| 28553-12-0  | Diisononyl phthalate (DINP)  |
| 68515-48-0  | Diisononyl Phthalate (DINP)  |
| 166412-78-8 | Diisononyl-cyclohexane-1,2-dicarboxylate (DINCH)   |
| 27554-26-3  | Diisooctyl phthalate (DIOP)  |
| 605-50-5    | Diisopentyl phthalate (DIPP)   |
| 50512-35-1  | Diisopropyl 1,3-dithiolan-2-ylidenediamonate; isoprothiolane   |
| 105-64-6    | Diisopropyl peroxydicarbonate  |
| -           | Dimer acid/polymerized rosin amidoamine reaction product   |
| -           | Dimer acid/rosin amidoamine reaction product   |
| -           | Dimer acids, polymer with polyalkylene glycol, bisphenol A-diglycidyl ether, and alkylene polyols polyglycidyl ethers                  |
| 149850-30-6 | Dimethyl 2,2'-(3-acetamido-4-[(2-cyano-4-nitrophenyl)diazenyl]phenyl)imino)diacetate   |
| 52-68-6     | Dimethyl 2,2-trichloro-1-hydroxyethylphosphonate; trichlorfon; DEP   |
| 62-73-7     | Dimethyl 2,2-dichlorovinyl phosphate; dichlorvos; DDVP   |
| 23564-05-8  | Dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate); thiophanate-methyl  |
| -           | Dimethyl alkylamine salt   |
| 624-92-0    | Dimethyl disulfide   |
| 1731-79-9   | Dimethyl dodecanedioate  |
| 624-49-7    | Dimethyl fumarate (DMF)  |
| 131-11-3    | Dimethyl phthalate (DMP)   |
| -           | Dimethyl siloxy-polyfluoro methyl siloxy-poly(oxyalkylenediyl) methyl siloxy copolymer   |
| 120-61-6    | Dimethyl terephthalate   |
| -           | Dimethyl terephthalate, polymer with alkyl diol and substituted benzoates  |
| 67939-88-2  | Dimethyl[3-(perfluorooctane-1-sulfonamido)propan-1-yl]ammonium chloride  |
| -           | Dimethyl-3-substituted heteromonocycle   |
| -           | Dimethyl-3-substituted heteromonocyclic amine  |
| 124-40-3    | Dimethylamine  |
| -           | Dimethylaminoalkyl alkene amide  |
| 3865-34-7   | Dimethylbis(oleoyloxy)stannane   |
| 79-44-7     | Dimethylcarbamoyl chloride   |
| 27987-25-3  | Dimethylcyclohexylphthalate (DMCHP)  |
| 67-68-5     | Dimethylsulfoxide  |
| 551-92-8    | Dimetridazole  |
| 2528-36-1   | Di-n-butyl phenyl phosphate  |
| 84-74-2     | Di-n-butyl Phthalate (DNBP)  |
| -           | Dineopentyl-4-substituted phthalate  |
| 84-75-3     | Di-n-hexyl phthalate (DHP or DHEXP)  |
| 27478-34-8  | Dinitronaphthalene   |
| 25321-14-6  | Dinitrotoluene   |
| 117-84-0    | Di-n-octyl Phthalate (DNOP)  |
| 131-18-0    | Di-n-pentyl Phthalate (DNPP or DPENP)  |
| 2500-88-1   | Diocetadecyl disulphide  |
| -           | Dioctyltin (DOT) compounds   |
| -           | Dioxins  |
| 131-18-0    | Dipentan-1-yl phthalate  |
| -           | Diperoxy ketal   |
| -           | Diphenol tars  |
| 101-84-8    | Diphenyl ether   |
| 75980-60-8  | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  |
| 122-39-4    | Diphenylamine  |
| -           | Diphenylmethane diisocyanate (MDI) modified  |
| -           | Diphenylmethane diisocyanate polymer with alkanolic diacid and alkanediol  |
| 200013-65-6 | Diphosphoric acid, polymers with ethoxylated reduced Me esters of reduced polymd, oxidized tetrafluoroethylene                         |
| 13455-00-0  | Diphosphorus Tetraiodide   |
| 4619-08-3   | Disiloxane, 1,3-dibutyl-1,1,3,3-tetramethyl-   |
| 121263-51-2 | Disiloxane, 1-butyl-1,1,3,3-tetramethyl-   |
| 16071-86-6  | Disodium [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate(4-)]cuprate(2-)       |
| 573-58-0    | Disodium 3,3'-[biphenyl-4,4'-diyl]bis(4-aminonaphthalene-1-sulfonate)  |
| 6470-20-8   | Disodium 4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4'-[(2-hydroxy-1-naphthyl)azo][1,1'-biphenyl]-2,2'-disulphonate  |
| 2429-83-6   | Disodium 4-amino-3-[[4'-[(2,4-diamino-5-methylphenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate |
| 1937-37-7   | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)diazenyl]biphenyl-4-yl]diazenyl]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate       |
| 3626-28-6   | Disodium 4-amino-5-hydroxy-3-[(4'-[(4-hydroxyphenyl)diazenyl]biphenyl-4-yl]diazenyl)-6-(phenylazo)naphthalene-2,7-disulphonate         |

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**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 4335-09-5    | Disodium 4-amino-5-hydroxy-6-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-3-[(4-nitrophenyl)azo]naphthalene-2,7-disulphonate                                       |
| 2429-82-5    | Disodium 5-[(4'-[(7-amino-1-hydroxy-3-sulfonato-2-naphthyl)diazenyl]biphenyl-4-yl) diazenyl]-2-hydroxybenzoate   |
| 2429-79-0    | Disodium 5-[[4'-[(1-amino-4-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate  |
| 2429-84-7    | Disodium 5-[[4'-[(2-amino-8-hydroxy-6-sulphonato-1-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate  |
| 3811-71-0    | Disodium 5-[[4'-[(2,4-diamino-5-[(4-sulphophenyl)azo]phenyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate  |
| 2893-80-3    | Disodium 5-[[4'-[[2,4-dihydroxy-3-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate  |
| 6360-54-9    | Disodium 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-3-methylsalicylate  |
| 2586-58-5    | Disodium 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate   |
| 3567-65-5    | Disodium 7-hydroxy-8-[[4'-[[[p-tolyl]sulphonyl]oxy]phenyl]azo][1,1'-biphenyl]-4-yl]azo]naphthalene-1,3-disulphonate  |
| 2302-97-8    | Disodium 8,8'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(7-hydroxynaphthalene-1-sulphonate)  |
| 3530-19-6    | Disodium 8-[[4'-[(4-ethoxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-7-hydroxynaphthalene-1,3-disulphonate   |
| 68214-82-4   | Disodium hydrogen 5-amino-3-[[4'-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]-4-hydroxynaphthalene-2,7-disulphonate                           |
| 556-67-2     | Disodium octaborate  |
| 12008-41-2   | Disodium octaborate  |
| 13708-85-5   | Disodium pydrogen phosphite  |
| 1330-43-4    | Disodium tetraborate, anhydrous  |
| 7345-69-9    | Disodium tetrathioperoxy carbonate   |
| 15666-29-2   | Distannathiane, 1,3-dibutyl-1,3-dithio-  |
| 642928-30-1  | Distillates (Fischer-Tropsch), hydroisomerized middle, C10-13-branched alkane fraction   |
| -            | Distillates (petroleum), C(3-6), polymers with styrene and mixed terpenes  |
| 5996-91-0    | Distillates coal tar, upper  |
| -            | Distillation bottoms from manufacture of brominated cycloalkanes   |
| -            | Distillation bottoms, alkylated benzene by-product   |
| -            | Distillation bottoms, alkylated benzene by-product, brominated and bromo diphenyl alkane   |
| -            | Di-substituted acetophenone  |
| -            | Disubstituted benzene alkanal (generic).   |
| -            | Disubstituted benzene ether, polymer with substituted phenol   |
| -            | Disubstituted benzene metal salts  |
| -            | Disubstituted benzenedicarboxylic acid   |
| -            | Disubstituted benzenesulfonic acid, alkali metal salt  |
| -            | Disubstituted benzoic acid, alkali metal salt  |
| -            | Disubstituted diamino anisole  |
| -            | Disubstituted diphenylsulfone  |
| -            | Disubstituted halogenated pyridinol  |
| -            | Disubstituted nitrobenzene   |
| -            | Disubstituted phenol   |
| -            | Disubstituted phenoxazine, chlorometalate salt   |
| -            | Disubstituted phenylazo trisubstituted naphthalene   |
| -            | Di-substituted propanedione  |
| -            | Disubstituted thiazole   |
| -            | Disubstituted thiazosulfone  |
| -            | Disubstituted-N'-hydroxy-benzenecarboximidamide  |
| -            | Disulfonic acid rosin amine salt of a benzidine derivative   |
| -            | Ditetradecyl Ester   |
| 8022-00-2    | Diethyl ethylmercaptoethyl thiophosphate (Methyldeleton)   |
| 125005-87-0  | Diutan gum   |
| 4074-90-2    | Divinyl adipate  |
| 1321-74-0    | Divinylbenzene   |
| 5989-27-5    | D-Limonene   |
| -            | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")<br>covering any of its individual anti- and syn-isomers or any combination thereof |
| 61788-32-7   | Dodecamethylecyclohexasiloxane (D6)  |
| 540-97-6     | Dodecamethylecyclohexasiloxane (D6)  |
| 112-40-3     | Dodecane   |
| 4080-98-2    | Dodecanedioic acid, dihydrazide  |
| 1773514-92-3 | Dodecanoic acid, reaction products with cadmium zinc selenide sulfide and oleylamine   |
| 155569-91-8  | Emamectin benzoate   |
| 106-89-8     | Epichlorohydrin  |
| -            | Epoxidised soy bean oil  |
| -            | Epoxidized copolymer of phenol and substituted phenol  |
| -            | Epoxy derivatives (BADGE, BFDGE or NOGE)   |
| -            | Epoxy modified alkyd resin, partially neutralized  |
| -            | Epoxy resin containing phosphorus  |
| -            | Epoxy terminated, hydrolyzed trialkoxysilane and glycidyl ether of phenol-formaldehyde resin   |
| 105-60-2     | Epsilon-caprolactam  |
| 1651152-96-3 | Erbium gadolinium neodymium sulfur ytterbium yttrium oxide   |
| 934388-91-7  | Erbium gadolinium sulfur ytterbium oxide   |
| 1622295-07-1 | Erbium gadolinium sulfur ytterbium yttrium oxide   |
| 1651152-05-4 | Erbium gadolinium ytterbium oxide  |
| 12510-42-8   | erionite   |
| 66733-21-9   | Erionite   |
| 91081-99-1   | Ester of adipic acid and (reaction product of 2-(chloromethyl)oxirane and N-(hydroxyethyl)-N-methylperfluoroalkane(C=4-8)sulfonamide)                                      |
| 106008-94-0  | Ester of boric acid and alpha-hydro-omega-methoxypoly(oxyethylene)   |
| -            | Esteramine (generic).  |
| -            | Estrogole  |
| 89610-32-2   | Ethanaminium, N-[bis(diethylamino)methylene]-N-ethyl-, bromide (1:1)   |
| 163206-29-9  | Ethanaminium, N-ethyl-2-hydroxy-N,N-bis(2-hydroxyethyl)-, diesters with C12-18-fatty acids, Et sulfates (salts)  |
| 406-78-0     | Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-   |
| 1885-48-9    | Ethane, 2-(difluoromethoxy)-1,1,1-trifluoro-   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 76-01-7     | Ethane, pentachloro-   |
| -           | Ethanediiimide acids   |
| 690-83-5    | Ethaneperoxy acid, 1,1-dimethylpropyl ester  |
| 75-08-1     | Ethanethiol  |
| 64-17-5     | Ethanol  |
| 6752-33-6   | Ethanol, 2,2'-(hexylimino)bis-   |
| 105362-40-1 | Ethanol, 2,2,2"-nitritoltris-, compd. with .alpha.-[2,4,6-tris(1-phenylethyl)phenyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) phosphate |
| 284477-82-3 | Ethanol, 2,2'-[(3-[2-ethylhexyl]oxy]pentyl)imino]bis-  |
| 114719-15-2 | Ethanol, 2,2'-[[1-(2-propenyloxy)methyl]-1,2-ethanediyl]bis(oxy)]bis-, bis(4-methylbenzenesulfonate)                                   |
| 90367-25-2  | Ethanol, 2,2'-[[3-(2-hydroxyethyl)amino]propyl]imino]bis-, N-(hydrogenated tallow alkyl) derivs.                                       |
| 19249-03-7  | Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-, bis(4-methylbenzenesulfonate)  |
| 97925-95-6  | Ethanol, 2,2'-iminobis-, N-(C13-15-branched and linear alkyl) derivs   |
| 7460-82-4   | Ethanol, 2,2'-oxybis-, bis(4-methylbenzenesulfonate)   |
| 85712-26-1  | Ethanol, 2-[(2-hydroxyethyl)amino]-, 1-(dihydrogen phosphate), N-coco alkyl derivs., N-oxides, dipotassium salts                       |
| 85712-27-2  | Ethanol, 2-[(2-hydroxyethyl)amino]-, 1-(dihydrogen phosphate), N-tallow alkyl derivs., N-oxides, dipotassium salts                     |
| 27176-93-8  | Ethanol, 2-[2-(nonylphenoxy)ethoxy]-   |
| 7311-27-5   | Ethanol, 2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]-   |
| 105658-30-8 | Ethanol, 2-amino-, compd. with N-hydroxy-N-nitrosobenzenamine (1:1)  |
| 79771-09-8  | Ethanol, reaction products with ammonia, distn. residues   |
| 63141-09-3  | Ethanone, 1-(1-chlorocyclopropyl)-   |
| 71526-07-3  | Ethanone, 2,2-dichloro-1-(1-oxa-4-azaspiro[4.5]dec-4-yl)-  |
| 121776-57-6 | Ethanone, 2,2-dichloro-1-[(5R)-5-(2-furanyl)-2,2-dimethyl-3-oxazolidinyl]-   |
| 120983-72-4 | Ethanone, 2-chloro-1-(1-chlorocyclopropyl)-  |
| -           | Ether amine phosphonate  |
| -           | Ether amine phosphonate salt   |
| -           | Ethoxybenzothiazole disulfide  |
| -           | Ethoxylated alcohol, phosphated, amine salt  |
| -           | Ethoxylated alkyl quaternary ammonium compound   |
| -           | Ethoxylated alkylphenol sulfate, ammonium salt   |
| -           | Ethoxylated alkylsulfate, substituted alkylamine salt  |
| 350820-95-0 | Ethoxylated cashew nutshell liquid   |
| 103331-86-8 | Ethoxylated propoxylated alcohols(C=12-14, secondary)  |
| -           | Ethoxylated substituted naphthol   |
| -           | Ethoxylated, propoxylated diamine diaryl substituted phenylmethane ester with alkenylsuccinate, dialkylethanolamine salt               |
| 1869-77-8   | Ethyl (N-ethylperfluorooctane-1-sulfonamido)acetate  |
| 83130-01-2  | Ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneamino)oxycarbonyl]amino]thio]amino]propionate; alanycarb                        |
| 2597-03-7   | Ethyl 2-[(dimethoxyphosphinothio)thio]-2-phenylacetate; phenthoate; PAP  |
| 76578-14-8  | Ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate; quizalofop-ethyl  |
| 13684-56-5  | Ethyl 3-phenylcarbamoyloxycarbanilate; desmedipham   |
| 120-47-8    | Ethyl 4-hydroxybenzoate  |
| 141-78-6    | Ethyl acetate  |
| 140-88-5    | Ethyl acrylate   |
| 100-41-4    | Ethyl benzene  |
| 51-79-6     | Ethyl carbamate  |
| 105-39-5    | Ethyl chloroacetate  |
| 62-50-0     | Ethyl methanesulphonate  |
| 615-53-2    | Ethyl methylnitrosocarbamate   |
| 68957-54-0  | Ethyl N-ethyl-N-[(pentadecafluoroheptyl)sulphonyl]glycinate  |
| 68957-53-9  | Ethyl N-ethyl-N-[(tridecafluorohexyl)sulphonyl]glycinate   |
| 68555-79-3  | Ethyl N-ethyl-N-[(undecafluoropentyl)sulphonyl]glycinate   |
| 56-38-2     | Ethyl parathion  |
| -           | Ethyl silicate, reaction products with modified alkoxysilane salt  |
| 23676-09-7  | Ethyl-4-ethoxybenzoate   |
| -           | Ethylated aminophenol  |
| -           | Ethylbenzene   |
| 32509-66-3  | Ethylene bis[3,3-bis[3-(1,1-dimethylethyl)-4-hydroxyphenyl]butanoate]  |
| 106-93-4    | Ethylene Dibromide (EDB)   |
| -           | Ethylene glycol ester of an aromatic substituted propenoic acid (generic).   |
| 109-86-4    | Ethylene glycol monomethyl ether   |
| 75-21-8     | Ethylene oxide   |
| -           | Ethylene oxide adduct of fatty acid ester with pentaerythritol   |
| -           | Ethyleneamine polyphosphates   |
| 107-15-3    | Ethylenediamine  |
| 107-15-3    | Ethylenediamine (EDA)  |
| 333-18-6    | Ethylenediamine dihydrochloride  |
| -           | Ethylenediamine, substituted, sodium salt  |
| 60-00-4     | Ethylenediaminetetraacetic acid  |
| 151-56-4    | Ethyleneimine  |
| 61789-01-3  | Ethylhexanol esters C16/C18  |
| -           | Ethylhexyl oxetane   |
| -           | Ethyl-p-acetoxyphenylcarboxylate   |
| 85586-67-0  | Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl isobutyrate   |
| -           | Fatty acid amide   |
| -           | Fatty acid amide acetates  |
| -           | Fatty acid amide hydrochlorides  |
| -           | Fatty acid amides  |
| -           | Fatty acid amine condensate, polycarboxylic acid salts   |
| -           | Fatty acid amine salt  |
| -           | Fatty acid and its derivatives and its compounds   |
| -           | Fatty acid esters with polyols polyalkyl ethers (generic)  |
| -           | Fatty acid imidazolines  |



**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.    | Substance   |
|------------|---|
| -          | Formaldehyde, reaction products with aniline and aromatic mono and di-phenol mixture (generic)  |
| -          | Formic acid, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-[(1, 3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products acetates (salts), (generic).   |
| -          | Formic acid, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-[(1, 3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products sulfamates (salts), (generic). |
| -          | Formic acid, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-[(1, 3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products acetates (salts), (generic).   |
| -          | Formic acid, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-[(1, 3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products sulfamates (salts), (generic). |
| -          | Fragrances (butylphenyl methylpropional, hydroxyisohexyl 3-cyclohexene carboxaldehyde)  |
| -          | Functionalized multi-walled carbon nanotubes  |
| -          | Functionalized polymethine  |
| -          | Fungicides  |
| 110-00-9   | Furan   |
| 62435-71-6 | Furan, 2-(ethoxymethyl)tetrahydro-  |
| 773-14-8   | Furan, 2,2,3,3,4,4,5,5-octafluorotetrahydro-  |
| -          | Gelatin   |
| -          | Getimin   |
| 9032-14-8  | Glucosyltransferase, International Union of Biochemistry and Molecular Biology Number: 2.4.1.5.   |
| 111-30-8   | Glutaraldehyde  |
| -          | Glycerol fatty acid ester   |
| -          | Glycol ethers (dihydroxydiethyl ether) of the E series and beta isomers of the P series   |
| -          | Glycol monobenzoate   |
| 107-22-2   | Glyoxal   |
| -          | GMOs (Genetically modified Organisms)   |
| -          | Gold and its compounds  |
| -          | Graphene nanoplatelets having a predominant thickness of 1?10 layers with lateral dimension predominantly less than 2 microns   |
| -          | Ground sunflower seed hulls   |
| 13439-89-9 | Guanidine, N,N,N',N',N"-pentaethyl-   |
| -          | Halide salt of an alkylamine  |
| -          | Halo substituted hydroxy nitrophenyl amide  |
| -          | Halo substituted sulfamidylbenzyluracil   |
| -          | Haloalkyl substituted cyclic ethers   |
| -          | Halogen and its compounds   |
| -          | Halogen substituted oxetanes  |
| -          | Halogenated acids and their anhydrides  |
| -          | Halogenated acrylonitrile   |
| -          | Halogenated alkane  |
| -          | Halogenated alkane aromatic compound  |
| -          | Halogenated alkyl trimethylaminium halide (generic)   |
| -          | Halogenated aromatic amine  |
| -          | Halogenated aromatic hydrocarbon  |
| -          | Halogenated arylsilane  |
| -          | Halogenated benzimidazole   |
| -          | Halogenated benzyl ester acrylate   |
| -          | Halogenated biphenyl glycidyl ethers  |
| -          | Halogenated bisphenol A, polymer with bisphenol A diglycidyl ether and epoxidized phenol-formaldehyde resin, alkenoate (generic).   |
| -          | Halogenated bisphenol A, polymer with epichlorohydrin, alkenoate (generic).   |
| -          | Halogenated indane  |
| -          | Halogenated naphthalic anhydride  |
| -          | Halogenated phenoxy aromatic  |
| -          | Halogenated phenyl alkane   |
| -          | Halogenated pyridines   |
| -          | Halogenated substituted pyridine  |
| -          | Halogenated-N-(2-propenyl)-N-(substituted phenyl) acetamide   |
| 124-73-2   | Halon 2402 (C2F4Br2) Dibromotetrafluoroethane   |
| -          | Halonitrobenzoic acid, substituted  |
| -          | Halophenyl sulfonamide salt   |
| -          | Halophosphate mixed metal complex   |
| -          | HDI biuret, hydroxyethyl methacrylate prepolymer  |
| 335-77-3   | Henicosafluorodecanesulphonic acid  |
| 68928-80-3 | Heptabromo(phenoxybenzene)  |
| 68928-80-3 | Heptabromo(phenoxybenzene) (Synonym: Heptabromodiphenyl ether)  |
| 76-44-8    | Heptachlor  |
| 1024-57-3  | Heptachlor epoxide  |
| 142-82-5   | Heptane   |
| 111-14-8   | Heptanoic acid and preparations containing the same. However, those containing 11% or less of heptanoic acid are excluded.  |
| -          | Heterocyclic amine potassium salt   |
| -          | Heterocyclic amine substituted acrylamide   |
| -          | Heteromonocyclo-beta-(2,4-dichlorophenyl) -1-propanol   |
| -          | Heteropolycyclic diacrylate   |
| -          | Heteropolycyclic, polymer with alkanedioic acid, di-alkenoate   |
| 36483-60-0 | Hexabromo (phenoxybenzene) (Synonym: Hexabromodiphenyl ether)   |
| 36483-60-0 | Hexabromo(phenoxybenzene)   |
| 36355-1-8  | Hexabromobiphenyl   |
| 36355-01-8 | Hexabromobiphenyl   |
| 25637-99-4 | Hexabromocyclododecane  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 25637-99-4   | Hexabromocyclododecane  |
| -            | Hexabromocyclododecanes (HBCDDs)  |
| 118-74-1     | Hexachlorobenzene   |
| 87-68-3      | Hexachlorobuta-1,3-diene  |
| 77-47-4      | Hexachlorocyclopentadiene   |
| 34465-46-8   | Hexachlorodibenzodioxin   |
| 67-72-1      | Hexachloroethane  |
| 1888-71-7    | Hexachloroprop-1-ene  |
| 544-76-3     | Hexadecane  |
| 57-09-0      | Hexadecyltrimethylammonium bromide  |
| 112-02-7     | Hexadecyltrimethylammonium chloride   |
| 13356-08-6   | Hexakis(2-methyl-2-phenylpropyl)distannoxane; fenbutatin oxide  |
| -            | Hexamethylcyclo tricyclo hexane   |
| 13048-33-4   | Hexamethylene diacrylate  |
| 124-09-4     | Hexamethylene diamine   |
| 822-06-0     | Hexamethylene diisocyanate  |
| -            | Hexamethylenediamine adduct of substituted piperidinyloxy   |
| 680-31-9     | Hexamethylphosphoric triamide   |
| 591-78-6     | Hexan-2-one   |
| 1279108-20-1 | Hexane, 1,6-diisocyanato-, homopolymer, .alpha.-[1-[[[3-[[3-(dimethylamino)propyl]amino]propyl]amino]carbonyl]-1,2,2,2-tetrafluoroethyl]-omega-(1,1,2,2,3,3,3-heptafluoropropoxy)poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)]-blocked  |
| 306978-65-4  | Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked  |
| -            | Hexanedioic acid polymer with aliphatic polyol dihydrogen phosphate aromatic ester  |
| 659733-29-6  | Hexanedioic acid, compd. with N1-(6-aminohexyl)-N1-methyl-1,6-hexanediamine (1:1)   |
| -            | Hexanedioic acid, polymer with .alpha.-hydro.-omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)],1,1'-methylenebis[4-isocyanatobenzene], dihydroxydialkyl ether and dialkanol ether  |
| -            | Hexanedioic acid, polymer with .alpha.-hydro.-omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)],1,1'-methylenebis[4-isocyanatobenzene], dihydroxydialkyl ether reaction products with dialkylcarbinol   |
| -            | Hexanedioic acid, polymer with .alpha.-hydro.-omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)],1,1'-methylenebis[4-isocyanatobenzene], dihydroxydialkyl ether, reaction products with dialkylcarbinol  |
| -            | Hexanedioic acid, polymer with .alpha.-hydro.-omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)],1,1'-methylenebis[isocyanatobenzene], dihydroxydialkyl ether and dialkanol ether  |
| 1138156-39-4 | Hexanedioic acid, polymer with 2,2-dimethyl-1,3-propanediol, 1,6-hexanediol, hydrazine, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[2-propanol], iso-Bu alc.-blocked, compds. with triethylamine |
| -            | Hexanedioic acid, polymer with polyether polyol, 1,1'-methylenebis[4-isocyanatobenzene] and dihydroxydialkyl ether  |
| 142-62-1     | Hexanoic acid and preparations containing the same.However, the thing containing 11% or less of hexanoic acid is remove   |
| 610787-78-5  | Hexanoic acid, 2-ethyl-, mixed diesters with benzoic acid and diethylene glycol   |
| 610787-76-3  | Hexanoic acid, 2-ethyl-, mixed triesters with benzoic acid and trimethylolpropane   |
| 8014-91-3    | Hexasodium 5,5'-[[3,7-disulphonato-1,5-naphthylene]bis[azo(6-hydroxy-3,1-phenylene)azo(6(or 7)-sulphonato-4,1-naphthylene)azo[1,1'-biphenyl]-4,4'-diylazo]]bis(salicylate)  |
| -            | Hexavalent chromium compounds   |
| -            | Hydrated alkaline earth metal salts of metalloid oxyanions  |
| 302-01-2     | Hydrazine   |
| 10034-93-2   | Hydrazine sulfate   |
| 2368-80-1    | Hydrazine, (2-fluorophenyl)-  |
| 124993-63-1  | Hydrazine, [4-(1-methylbutoxy)phenyl]-, hydrochloride (1:1)   |
| 167412-23-9  | Hydrazinecarboxamide, N-(3,5-difluorophenyl)-   |
| 69938-76-7   | Hydrazinecarboxamide, N,N'-1,6-hexanediybis[2,2-dimethyl-   |
| -            | Hydrochloride salt of a fatty polyalkylene polyamine  |
| -            | Hydrochlorofluorocarbon   |
| -            | Hydrochlorofluorocarbon (HCFC), all members   |
| 207409-71-0  | Hydrofluoric acid, reaction products with heptane   |
| 210181-71-8  | Hydrofluoric acid, reaction products with octane  |
| -            | Hydrofluoroalkane   |
| -            | Hydrofluorocarbon (HFC), all members  |
| -            | Hydrofluorocarbon alkyl ether   |
| -            | Hydrofluoroalkene   |
| 1333-74-0    | Hydrogen  |
| -            | Hydrogen fluoride and its water-soluble salts   |
| 61788-32-7   | Hydrogenated terphenyl  |
| 123-31-9     | Hydroquinone  |
| 12304-65-3   | Hydrotalcite  |
| -            | Hydroxy functional triglyceride polymer with glycerol mono-ester and 1,1'-methylenebis[4-isocyanatobenzene] (generic).  |
| -            | Hydroxy functional triglyceride polymer with glycerol mono-ester and 1,1'-methylenebis[isocyanatobenzene] (generic).  |
| -            | Hydroxy terminated polyester  |
| -            | Hydroxyalkylquinoline dioxindandialkylcarboxamide   |
| -            | Hydroxy-aryl, polymer with substituted benzene, cyanate   |
| -            | Hydroxybenzophenone   |
| -            | Hydroxy-chloro-cyclopropyl-heteromonocyclic carboxylic acid   |
| -            | Hydroxypropyl methacrylate, reaction products with propylene oxide and ethylene oxide, copolymer with N-vinyl caprolactam   |
| -            | Imidazole and its derivatives   |
| -            | Imidazolethione   |
| -            | Imidazolium, polymer with cyclic anhydride and alkenoic acid, alkali salt   |
| 1254743-03-7 | Imidodicarbonic diamide, N,N-dibutyl-N',2-bis[4-[(4-isocyanatophenyl)methyl]phenyl]-  |
| 193-39-5     | Indeno(1,2,3-c,d)pyrene   |
| -            | Indium and its compounds  |
| 22398-80-7   | Indium Phosphide  |
| -            | Infused carbon nanostructures   |
| -            | Inorganic acids, metal salts, compds. with modified heteroaromatics, (generic).   |
| -            | Inorganic acids, metal salts, compds. with substituted aromatic heterocycle, (generic).   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Inorganic cyanide compounds   |
| 1370442-66-2 | Iodonium, diphenyl-, 4,4'-di-C10-13-alkyl derivs., (OC-6-11)-hexafluoroantimonates(1-)  |
| -            | IPDI modified isophthalic acid, neopentyl glycol and adipic acid  |
| 14484-64-1   | Iron tris(N,N-dimethyldithiocarbamate); ferbam  |
| 478945-46-9  | Iron(1+), chloro[rel-1,5-dimethyl (1R,2S,4R,5S)-9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-kappa.N)-7-[(2-pyridinyl-kappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-dicarboxylate-kappa.N3.,kappa.N7]-, chloride (1:1), (OC-6-63)- |
| 15365-14-7   | Iron(II) lithium phosphate  |
| 120579-31-9  | Iron, citrate phosphate potassium complexes   |
| -            | Isoalkyldimethylamine   |
| 4247-02-3    | Isobutyl 4-hydroxybenzoate  |
| 78-84-2      | Isobutyraldehyde  |
| -            | Isocyanate  |
| -            | Isocyanate compound, modified with methoxysilane  |
| -            | Isocyanate terminated polyols   |
| -            | Isocyanate terminated urethane polymer  |
| -            | Isocyanates   |
| 9016-87-9    | Isocyanic acid, polymethylenepolyphenylene ester  |
| 540-84-1     | Isooctane   |
| -            | Isophorone diisocyanate neopentyl glycol adipate polyurethane prepolymer  |
| 78-79-5      | Isoprene  |
| 149877-41-8  | Isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinofornate; bifenazate  |
| 4191-73-5    | Isopropyl 4-hydroxybenzoate   |
| 77851-17-3   | Isopropyl(phenethyl)benzene   |
| -            | Isopropylidene, bis(1,1-dimethylpropyl) derivative  |
| -            | Isopropylthioxanthone and other Photoinitiators   |
| 05495-84-1   | Isopropylthioxanthone (ITX)   |
| -            | Iso-tridecanol  |
| -            | Kaolin, reaction products with polysiloxane (generic).  |
| -            | Kiwi fruit  |
| 157707-95-4  | L-Alanine, N-[5-(acetylamino)-2-chloro-4-[2-(2-cyano-4-nitrophenyl)diazenyl]phenyl]-, methyl ester  |
| 1227908-26-0 | Lanthanum lead titanium zirconium oxide   |
| 205764-98-3  | L-Aspartic acid, N,N'-(1E)-1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diy]]]bis-, sodium salt (1:6)  |
| 7439-92-1    | Lead  |
| -            | Lead and its compounds  |
| 56572-83-9   | Lead niobium titanium zirconium oxide   |
| 13453-62-8   | Lead perchlorate (II) · Trihydrate  |
| 61461-40-3   | Lead strontium titanium zirconium oxide   |
| -            | Lecithins, phospholipase A2-hydrolyzed  |
| 308068-11-3  | Lecithins, soya, hydrogenated   |
| 50622-20-3   | L-Glutamic acid, N-(1-oxododecyl)-, sodium salt (1:2)   |
| 8068-03-9    | Lignin, organosolv  |
| -            | Linear alkyl epoxide  |
| -            | Liquid paraffin   |
| 55120-77-9   | Lithium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate   |
| 12057-17-9   | Lithium manganese oxide (LiMn2O4)   |
| -            | Lithium metal phosphate   |
| 12031-65-1   | Lithium nickel oxide(LiNiO2)  |
| 13568-33-7   | Lithium nitrite   |
| 29457-72-5   | Lithium perfluorooctane-1-sulfonate   |
| 39318-30-4   | Lithium potassium titanium oxide  |
| -            | Lithium salt of substituted imide   |
| -            | Lithium salt of sulfophenyl azo phenyl azo disulfostilbene  |
| -            | Long-chain perfluoroalkyl carboxylate chemical substances   |
| -            | Lupine  |
| 71604-74-5   | M-(2,3-epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline  |
| -            | Magnesium alkaryl sulfonate (generic)   |
| -            | Magnesium and its compounds   |
| -            | Magnesium hydroxide surface treated with substituted alkoxysilanes  |
| 39290-90-9   | Magnesium potassium titanium oxide  |
| 108-31-6     | Maleic anhydride  |
| 591-27-5     | M-aminophenol   |
| 12427-38-2   | Maneb   |
| 12049-47-7   | Manganate (MnO21-), calcium (2:1)   |
| -            | Manganese and its compounds   |
| -            | Manganese heterocyclic tetraamine complex   |
| 13770-16-6   | Manganese perchlorate (II)  |
| 15364-94-0   | Manganese perchlorate (II) · hexahydrate  |
| 12163-45-0   | Manganese strontium oxide (MnSrO3)  |
| 12438-71-0   | Manganese yttrium oxide (Mn2YO5)  |
| 12032-75-6   | Manganese yttrium oxide (MnYO3)   |
| 2020407-63-8 | Manganese, [mu.-(acetato-kappa.O:kappa.O)]bis[mu.-(2-ethylhexanoato-kappa.O:kappa.O)]bis(octahydro-1,4,7-trimethyl-1H-1,4,7-triazonine-kappa.N1.,kappa.N4.,kappa.N7)di-   |
| 2020407-64-9 | Manganese, bis[mu.-(acetato-kappa.O:kappa.O)]mu.-(2-ethylhexanoato-kappa.O:kappa.O)]bis(octahydro-1,4,7-trimethyl-1H-1,4,7-triazonine-kappa.N1.,kappa.N4.,kappa.N7)di-  |
| 2020407-62-7 | Manganese, tris[mu.-(2-ethylhexanoato-kappa.O:kappa.O)]bis(octahydro-1,4,7-trimethyl-1H-1,4,7-triazonine-kappa.N1.,kappa.N4.,kappa.N7)di-   |
| 2020407-65-0 | Manganese, tris[mu.-(acetato-kappa.O:kappa.O)]bis(octahydro-1,4,7-trimethyl-1H-1,4,7-triazonine-kappa.N1.,kappa.N4.,kappa.N7)di-  |
| -            | Mannich bases   |
| -            | Mannich-based adduct  |
| -            | MDI modified polyalkylene glycol adipate polyester  |
| -            | MDI terminated polyester polyurethane polymer   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance   |
|-------------|---|
| 99-65-0     | M-dinitrobenzene  |
|             | medium-chain chlorinated paraffins  |
| 108-78-1    | Melamine  |
| -           | Melamine nitrate (generic).   |
| 68-11-1     | Mercaptoacetic acid and a preparation containing the same. However, those containing 1% or less of mercaptoacetic acid are excluded.  |
| -           | Mercaptoalkoxysilane  |
| 63947-56-8  | Mercaptopropanol  |
| 13932-02-0  | Mercuric perchlorate (I)  |
| 7439-97-6   | Mercury   |
| -           | Mercury and its compounds   |
| 14990-20-6  | Mercury perchlorate (II)  |
| -           | Metal hydroxide, treated with alkenyl alkoxy silane   |
| -           | Metal oxide, modified with alkyl and vinyl terminated polysiloxanes   |
| -           | Metal salt of mineral acid, reaction products with alumina, aluminum hydroxide, aluminum hydroxide oxide (Al(OH)O), silica, titanium oxide (TiO <sub>2</sub> ) and 3-(triethoxysilyl)-1-propanamine (generic).  |
| -           | Metal silicate  |
| -           | Metallated alkylphenol copolymer  |
| -           | Metallic diol   |
| 137-42-8    | Metam sodium  |
| 79-41-4     | Methacrylic acid  |
| -           | Methanamine, N,N-dimethyl-, reaction products with alkylamine-epichlorohydrin polymer, chlorides  |
| 74-82-8     | Methane   |
| 72968-82-2  | Methanesulfonamide, N-[2-[(2,6-dicyano-4-methylphenyl)azo]-5-(dipropylamino)phenyl]-  |
| 67-56-1     | Methanol  |
| 162245-07-0 | Methanone, [5-[[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-(1,1,3,3-tetramethylbutyl)phenyl]methyl]-2-hydroxy-4-(octyloxy)phenyl]phenyl-  |
| 90-94-8     | Methanone, bis[4-(dimethylamino)phenyl]-  |
| 131860-33-8 | Methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate; azoxystrobin  |
| 143390-89-0 | Methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate; kresoxim-methyl   |
| 141517-21-7 | Methyl (E)-methoxyimino-2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate; trifloxystrobin   |
| 50-55-5     | Methyl 11,17alpha-dimethoxy-18beta-[(3,4,5-trimethoxybenzoyl)oxy]-3beta,20alpha-yohimban-16beta-carboxylate   |
| 136191-64-5 | Methyl 2-(4,6-dimethoxy-2-pyrimidinyl)oxy-6-[1-(methoxyimino)ethyl]benzoate; pyriminobac-methyl   |
| 100784-20-1 | Methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate; halosulfuron-methyl   |
| 99-76-3     | Methyl 4-hydroxybenzoate  |
| 26537-19-9  | Methyl 4-tert-butylbenzoate   |
| 96-33-3     | Methyl acrylate   |
| 10605-21-7  | Methyl benzoimidazol-2-ylcarbamate; carbendazim   |
| 78-93-3     | Methyl ethyl ketone   |
| 141-79-7    | Methyl isobutyl ketone  |
| 556-61-6    | Methyl isothiocyanate   |
| 80-62-6     | Methyl methacrylate   |
| 6290-49-9   | Methyl methoxyacetate   |
| 17804-35-2  | Methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate; benomyl   |
| 1634-04-4   | Methyl tertiary butyl ether (MTBE)  |
| 74-89-5     | Methylamine   |
| -           | Methylamine esters  |
| -           | Methylated-para-rosaniline salt of a trisulfonated triarylmethane dye   |
| -           | Methylbenzophenone  |
| 39817-09-9  | Methylene bis(phenyleneoxymethylene)bisoxirane (NOGE)   |
| -           | Methylene bisacetophenone derivative  |
| 75-09-2     | Methylene chloride  |
| 5124-30-1   | Methylenebis(4,1-cyclohexylene) diisocyanate  |
| -           | Methylenebis[isocyanatobenzene], polymer with alkanedioic acid, alkylene glycols, alkoxyated alkanepolyol and substituted trialkoxysilane   |
| -           | Methylenebisbenzotriazolyl phenols  |
| 60-34-4     | Methylhydrazine   |
| -           | Methylisothiazolinone, 2-methyl-4-isothiazolin-3-one, CAS# 2682-20-4), Chloromethylisothiazolinone (CIT, 5-chloro-2-methyl-4-isothiazolin-3-one, CAS# 26172-55-4), Benzisothiazolinone (BIT, CAS-no. 2634-33-5) |
| 23135-22-0  | Methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamidate; oxamyl  |
| 1321-94-4   | Methylnaphthalene   |
| -           | Methylphenol, bis(substituted)alkyl   |
| -           | Methylpolychloro aliphatic ketone   |
| 56-04-2     | Methylthiouracil  |
| 9006-42-2   | Metiram   |
| 90-94-8     | Michler's ketone  |
| -           | Mineral Oil saturated Hydrocarbons (MOSH) and Mineral Oil aromatic Hydrocarbons (MOAH)  |
| 2385-85-5   | Mirex   |
| -           | Mixed alkyl phenolic novolak resin  |
| -           | Mixed alkyl phosphate esters alkoxyated   |
| -           | Mixed amino diaryl sulfone isomers  |
| -           | Mixed butyltin mercaptoester sulfides   |
| 610787-77-4 | Mixed diesters of 2-ethylhexanoic acid and benzoic acid with 2,2-dimethylpropane-1,3-diol   |
| -           | Mixed metal borate  |
| -           | Mixed metal oxalate   |
| -           | Mixed metal oxide   |
| -           | Mixed metal oxides  |
| -           | Mixed methyltin mercaptoester sulfides  |
| -           | Mixed neopentyl glycol benzoate/2-ethylhexanoate  |
| -           | Mixed trialkylamines  |
| -           | Mixture composed of 97 % tetraethyl orthosilicate (TEOS) with CAS No 78-10-4 and 3 % hexamethyldisilazane (HMDS) with CAS No 999-97-3   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 115254-47-2 | Mixture of 2-[4-(2,3-epoxypropoxy)phenyl]-2-[4-[1,1-bis[4-(2,3-epoxypropoxy)phenyl]ethyl]phenyl]propane and 1,3-bis[4-[1-[4-(2,3-epoxypropoxy)phenyl]-1-[4-[1-[4-(2,3-epoxypropoxy)phenyl]-1-methylethyl]phenyl]ethoxy]-2-propanol (It is limited that the content of the former is 96% or less and the content of the latter is 11% or less.) |
| 180063-56-3 | Mixture of 2-[4-(2,3-epoxypropoxy)phenyl]-2-[4-[1,1-bis[4-(2,3-epoxypropoxy)phenyl]ethyl]phenyl]propane and 1,3-bis[4-[1-[4-(2,3-epoxypropoxy)phenyl]-1-[4-[1-[4-(2,3-epoxypropoxy)phenyl]-1-methylethyl]phenyl]ethoxy]-2-propanol (It is limited that the content of the former is 96% or less and the content of the latter is 11% or less.) |
| -           | Mixture of alkylated benzene, brominated and alkylated benzene, dibrominated   |
| -           | Mixture of hydrofluoro alkanes and hydrofluoro alkene  |
| -           | Mixture of nitrated alkylated phenols  |
| 99-09-2     | m-nitroaniline   |
| 99-08-1     | m-nitrotoluene   |
| -           | Modified alicyclic polyamine   |
| -           | Modified aliphatic polyamine   |
| -           | Modified alkyl acrylamide  |
| -           | Modified aromatic polyamine  |
| -           | Modified cyclohexane esters  |
| -           | Modified fluorinated acrylates   |
| -           | Modified hydrocarbon resin   |
| -           | Modified hydroxystyrene homopolymer  |
| -           | Modified imidazole   |
| -           | Modified lithium iron phosphates   |
| -           | Modified magnesium silicate polymer  |
| -           | Modified methyl methacrylate, 2-hydroxyethyl methacrylate polymer  |
| -           | Modified phenol-formaldehyde resin (generic).  |
| -           | Modified phenolic resin  |
| -           | modified polyamidoamine  |
| -           | Modified polyisocyanates   |
| -           | Modified polymer of vinyl acetate and quaternary ammonium compound   |
| -           | Modified reaction products of alkyl alcohol, halogenated alkane, substituted epoxide, and amino compound   |
| -           | Modified salicylic acid, zirconium complex   |
| -           | Modified silicone resin  |
| -           | Modified styrene, divinylbenzene polymer   |
| -           | Modified thiocarbamate   |
| -           | Modified thionocarbamate   |
| -           | Modified triethylene glycol dithiol  |
| -           | Molybdenum and its compounds   |
| -           | Mono esters from 2- propenoic acid   |
| 640-19-7    | Monofluoroacetamide  |
| 144-49-0    | Monofluoroacetic acid  |
| -           | Monosubstituted alkoxyaminotrazines  |
| -           | Montmorillonite clay modified by dimethyldialkyl (C16-C18)ammonium chloride  |
| 110-91-8    | Morpholine   |
| 887947-29-7 | Morpholine, 4-C6-12 acyl derivs.   |
| -           | Multi-functional novolac type epoxy resin  |
| -           | Multi-wall carbon nanotubes  |
| -           | Multi-walled carbon nanofibers   |
| -           | Multi-walled carbon nanotube   |
| -           | Multi-walled carbon nanotubes  |
| -           | Multiwalled carbon nanotubes (generic).  |
| 81-15-2     | Musk xylene  |
| -           | m-xylene   |
| 793-24-8    | N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine   |
| 40487-42-1  | N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine; pendimethalin  |
| 126833-17-8 | N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide; fenhexamid  |
| 93820-33-8  | N-(2-ethylhexyl)isononan-1-amide   |
| -           | N-(2-hydroxyethyl) alkenamide  |
| 24448-09-7  | N-(2-Hydroxyethyl)-N-methylperfluorooctane-1-sulfonamide   |
| 3845-76-9   | N-(3-(Dimethylamino)propyl) acrylamide   |
| 68239-73-6  | N-(4-Hydroxybutan-1-yl)-N-methylperfluorooctane-1-sulfonamide  |
| 103-90-2    | N-(4-hydroxyphenyl)acetamide   |
| 119168-77-3 | N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide; tebufenpyrad   |
| 17796-82-6  | N-(cyclohexylthio)phthalimide  |
| 95-31-8     | N-(tert-butyl)-2-benzothiazolesulfenamide  |
| 65992-66-7  | N,N,N,N'-tetrakis(2,3-epoxypropyl)cyclohexane-1,3-dimethylamine  |
| 67939-94-0  | N,N,N'-(phosphoryl)tris(oxyethylene)tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide]  |
| 68957-58-4  | N,N,N'-Trimethyl-3-(((1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl)amino)propan-1-aminium iodide  |
| 67584-58-1  | N,N,N'-Trimethyl-3-(((pentadecafluoroheptyl)sulfonyl)amino)-1-propanaminium iodide   |
| 68555-81-7  | N,N,N'-Trimethyl-3-(((pentadecafluoroheptyl)sulfonyl)amino)propan-1-aminium chloride   |
| 52166-82-2  | N,N,N'-Trimethyl-3-(((tridecafluorohexyl)sulfonyl)amino)propan-1-aminium chloride  |
| 67939-92-8  | N,N'-[phosphinicobis(oxyethylene)]bis[N-ethyltridecafluorohexanesulphonamide]  |
| 306980-27-8 | N,N'-{Hexane-1,6-diylbis[(2-oxooxazolidine-3,5-diyl)methylene]}bis(N-methylperfluoroalkane(C=4-8)sulfonamide)  |
| -           | N,N'-Bis(2-(2-(3-alkyl)thiazoline) vinyl)-1,4-phenylenediamine methyl sulfate double salt  |
| -           | N,N'-di(alkyl heteromonocycle)amino chlorotriazine   |
| 4979-32-2   | N,N-dicyclohexyl-2-benzothiazolesulfenamide  |
| 101-83-7    | N,N-dicyclohexylamine  |
| 125306-83-4 | N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide; cafenstrole   |
| 127-19-5    | N,N-dimethylacetamide  |
| 121-69-7    | N,N-dimethylaniline  |
| 21542-96-1  | N,N-Dimethyldocosan-1-ylamine  |
| 112-18-5    | N,N-dimethyldodecylamine   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 1643-20-5    | N,N-dimethyldodecylamine N-oxide  |
| 68-12-2      | N,N-dimethylformamide   |
| 27417-40-9   | N,N'-Ditolyl-p-phenylenediamine, N-Tolyl-N'-xylyl-p-phenylenediamine, or N,N'-Dixylyl-p-phenylenediamine                                      |
| 64440-88-6   | N,N'-ethylenebis(thiocarbamoylthiozinc)bis(N,N-dimethyldithiocarbamate); polycarbamate  |
| 306979-40-8  | N-[(Perfluoroalkyl(C=4-8))sulfonyl] derivative of alpha-[2-(methylamino)ethyl]-omega-[(2,4,4-trimethylpentan-2-yl)phenoxy]poly(oxyethylene)   |
| 2537-62-4    | N-[2-[(2-bromo-6-cyano-4-nitrophenyl)azo]-5-(diethylamino)phenyl]acetamide  |
| -            | N-[2-[(substituted dinitrophenyl)azo]diallylamino-4- substituted phenyl] acetamide  |
| 82558-50-7   | N-[3-(1-ethyl-1-methylpropyl)-1,2-oxazol-5-yl]-2,6-dimethoxybenzamide; isoxaben   |
| 68555-78-2   | N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonamide  |
| 68957-60-8   | N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonamide monohydrochloride  |
| 67584-54-7   | N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide   |
| 67940-02-7   | N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide monohydrochloride                             |
| 50598-28-2   | N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide  |
| 68957-61-9   | N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide monohydrochloride  |
| 13417-01-1   | N-[3-(N,N-Dimethylamino)propan-1-yl]perfluorooctanesulphonamide   |
| -            | N-alkylbenzenesulfonic acid and its salts (alkyl C=10-14)   |
| 335-97-7     | N-allyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonamide  |
| 67584-49-0   | N-allyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide   |
| 67906-41-6   | N-allyl-N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide   |
| 24924-36-5   | N-Allyl-N-ethylperfluorooctane-1-sulphonamide   |
| 423-86-9     | N-Allylperfluorooctane-1-sulphonamide   |
| 67584-48-9   | N-allyltridecafluorohexanesulphonamide  |
| -            | Nanocarbon (generic).   |
| -            | Nanomaterials   |
| 849101-58-2  | Naphtha (Fischer-Tropsch), C4-11-alkane, branched and linear  |
| 91-20-3      | Naphthalene   |
| 63674-30-6   | Naphthalene, 1,2,3,4-tetrahydro(1-phenylethyl)-   |
| -            | Naphthalenedisulfonic acid, [amino-hydroxy-((substituted)azo-sulfo-naphthalenyl)azo]-hydroxy-((methoxy-sulfonyl)azo), metal salt              |
| -            | Naphthalenedisulfonic acid, hydroxy-[[[(hydroxyl-disulfo-naphthalenyl)azo]-alkyl(C=1-5)-(sulfoalkoxy)cyclic]azo]-substituted azo-, metal salt |
| 61789-51-3   | Naphthenic acids, cobalt salts  |
| -            | N-arylamino-phenol-formaldehyde condensate  |
| 7681-93-8    | Natamycin (Pimaricin) (E235)  |
| -            | Natural Rubber Latex  |
| 68298-10-2   | N-benzyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide  |
| 50598-29-3   | N-Benzylperfluorooctane-1-sulphonamide  |
| 2263-09-4    | N-Butan-1-yl-N-(2-hydroxyethyl)perfluorooctane-1-sulphonamide   |
| 71-36-3      | N-butanol   |
| 23184-66-9   | N-butoxymethyl-2-chloro-2',6'-diethylacetanilide; butachlor   |
| 141-32-2     | N-butyl acrylate  |
| 97-88-1      | N-butyl methacrylate  |
| 68310-02-1   | N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)heptane-1-sulphonamide  |
| 2426-08-6    | N-butyl-2,3-epoxypropyl ether   |
| 104-51-8     | N-Butylbenzene  |
| 3397-65-7    | N-Dodecanoyl-L-glutamic acid  |
| 27253-31-2   | Neodecanoic acid, cobalt salt   |
| 1651153-45-5 | Neodymium sulfur yttrium oxide  |
| 1386395-00-1 | Neodymium, butadiene iso-Bu neodecanoate complexes  |
| 1077-56-1    | N-Ethyl ortho-Toluene Sulphonamide (IUPAC name : N-ethyltoluene-2-sulphonamide)   |
| 68555-72-6   | N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)pentane-1-sulphonamide   |
| 67939-90-6   | N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-[2-(phosphonoxy)ethyl]pentane-1-sulphonamide   |
| 68957-62-0   | N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonamide   |
| 68555-73-7   | N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)heptane-1-sulphonamide  |
| 67584-50-3   | N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trichlorosilyl)propyl]heptane-1-sulphonamide                                      |
| 68239-75-8   | N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trimethoxysilyl)propyl]heptane-1-sulphonamide                                     |
| 103-69-5     | N-ethylaniline  |
| 1691-99-2    | N-Ethyl-N-(2-hydroxyethyl)perfluorooctane-1-sulphonamide  |
| 68957-63-1   | N-ethyl-N-(pentadecafluoroheptyl)sulphonyl]glycine  |
| 68957-32-4   | N-ethyl-N-((tridecafluorohexyl)sulphonyl]glycine  |
| 68957-31-3   | N-ethyl-N-(undecafluoropentyl)sulphonyl]glycine   |
| 67939-42-8   | N-Ethyl-N-[3-(trichlorosilyl)propan-1-yl]perfluorooctane-1-sulphonamide   |
| 61660-12-6   | N-Ethyl-N-[3-(trimethoxysilyl)propan-1-yl]perfluorooctane-1-sulphonamide  |
| 4151-50-2    | N-Ethylperfluorooctane-1-sulphonamide   |
| 80-39-7      | N-ethyl-p-toluenesulphonamide   |
| 34455-03-3   | N-ethyltridecafluoro-N-(2-hydroxyethyl)hexanesulphonamide   |
| 67969-65-7   | N-ethyltridecafluoro-N-[2-(phosphonoxy)ethyl]hexanesulphonamide   |
| 1613-86-1    | N-Hydroxy-4-nitrobenzenecarboximidamide   |
| -            | Nickel and its compounds  |
| -            | Nickel salt of an organo compound containing nitrogen   |
| -            | Nickel, cobalt mixed metal oxide  |
| 936576-64-6  | Nickel, tris(neodecanoato-kappa.O)[mu.3-(orthoborato(3-)-kappa.O:kappa.O':kappa.O'')]tri-   |
| -            | Nitrate polyether polyol  |
| -            | Nitrile amine   |
| 139-13-9     | Nitrotriactic acid  |
| -            | Nitro methyl quinoline  |
| 98-95-3      | Nitrobenzene  |
| -            | Nitrobenzoic acid octyl ester   |
| 9004-70-0    | Nitrocellulose  |
| 59-87-0      | Nitrofurazone   |
| 00059-87-0   | Nitrofurazone   |
| 10102-44-0   | Nitrogen dioxide (Nitrogen peroxide)  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 7783-54-2    | Nitrogen trifluoride   |
| 55-63-0      | Nitroglycerin  |
| 75-52-5      | Nitromethane   |
| -            | Nitrophenoxylalkanoic acid substituted thiazino hydrazide                                      |
| 35576-91-1   | Nitrosamines   |
| -            | Nitrothiophenecarboxylic acid, ethyl ester, bis[(((substituted)) amino]alkyl-phenyl]azo]       |
| 7782-77-6    | Nitrous acid   |
| 79-16-3      | N-methylacetamide  |
| 100-61-8     | N-methylaniline  |
| 144-54-7     | N-methyldithiocarbamic acid; carbam  |
| 129813-71-4  | N-Methyl-N-(oxiran-2-ylmethyl)perfluoroalkane(C=4-8)sulfonamide                                |
| 306974-19-6  | N-Methyl-N-[(3-octadecyl-2-oxooxazolidin-5-yl)methyl]perfluoroalkane(C=4-8)sulfonamide         |
| -            | N-Methylolacrylamide   |
| 31506-32-8   | N-Methylperfluorooctane-1-sulfonamide  |
| 872-50-4     | N-methylpyrrolidone  |
| 1116-54-7    | N-nitrosodiethanolamine  |
| 62-75-9      | N-nitrosodimethylamine   |
| 621-64-7     | N-nitrosodi-N-propylamine  |
| 86-30-6      | N-nitrosodiphenylamine   |
| 107481-28-7  | Non-1,9-diyil diacrylate   |
| 27753-52-2   | Nonabromo-1,1'-biphenyl  |
| -            | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                           |
| 68156-00-3   | Nonafluorobis(trifluoromethyl)cyclohexanesulphonyl fluoride                                    |
| 111-84-2     | Nonane   |
| 25154-52-3   | Nonylphenol (NP)   |
| -            | N-pentyl-n-isopentyl phthalate   |
| 404362-22-7  | N-Phenethyl derivative of 1,3-phenylenedimethanamine   |
| 941-69-5     | N-phenylmaleimide  |
| 67747-09-5   | N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]imidazole-1-carboxamide; prochloraz                |
| 112410-23-8  | N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide; tebufenozide                      |
| 88-12-0      | N-vinyl-2-pyrrolidone  |
| 333-41-5     | O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate; diazinon                    |
| 2921-88-2    | O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; chlorpyrifos                         |
| 18854-01-8   | O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate; isoxathion                               |
| 119-12-0     | O,O-diethyl O-6-oxo-1-phenyl-1,6-dihydro-3-pyridazinyl phosphorothioate; pyridaphenthion       |
| 2310-17-0    | O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazoliny)methyl phosphorodithioate; phosalone    |
| 298-04-4     | O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate; ethylthiometon; disulfoton                |
| 55-38-9      | O,O-dimethyl O-3-methyl-4-(methylthio)phenyl phosphorothioate; fenitron; MPP                   |
| 122-14-5     | O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate; fenitrothion; MEP                      |
| 60-51-5      | O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate; dimethoate                        |
| 121-75-5     | O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate; malathion; malathion           |
| 3761-41-9    | O,O-dimethyl-O-(3-methyl-4-methylsulfinylphenyl)-thiophosphate; mesulfenfos                    |
| 789-02-6     | o, p' - D D T  |
| 77458-01-6   | O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate; pyraclofos                 |
| 34643-46-4   | O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate; prothiofos                           |
| 29232-93-7   | O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate; pirimiphos-methyl       |
| 5598-13-0    | O-3,5,6-trichloro-2-pyridyl O,O-dimethyl phosphorothioate; chlorpyrifos-methyl                 |
| 88678-67-5   | O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate; pyributicarb               |
| 41198-08-7   | O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate; profenofos                         |
| 90-04-0      | O-anisidine  |
| -            | Oat  |
| 95-57-8      | O-chlorophenol   |
| 95-49-8      | O-chlorotoluene  |
| 39001-02-0   | Octachlorodibenzofuran   |
| 3268-87-9    | Octachlorodibenzo-p-dioxin   |
| 17771-31-2   | Octadecanoic acid, ester with 1,2-propanediol, phosphate, anhydride with silicic acid (H4SiO4) |
| 84962-05-0   | Octadecanoic acid, reaction products with diethylenetriamine and urea, acetates                |
| 1256282-88-8 | Octadecen-1-aminium, N-ethyl-N,N-dimethyl-, ethyl sulfate (1:1)                                |
| 152-16-9     | Octamethyl pyrophosphoramidate (Schraden)  |
| 556-67-2     | Octamethylcyclotetrasiloxane   |
| 556-67-2     | Octamethylcyclotetrasiloxane (D4)  |
| 111-65-9     | Octane   |
| 6304-39-8    | Octanohydrazide  |
| -            | Octyl diphenyl phosphate and other organo-diaryl-phosphates                                    |
| 27193-28-8   | Octyl Phenol   |
| 36335-67-8   | O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate; butamifos                            |
| 2104-64-5    | O-ethyl O-4-nitrophenyl phenylphosphonothioate; EPN  |
| 17109-49-8   | O-ethyl S,S-diphenyl phosphorodithioate; edifenphos; EDDP                                      |
| 98886-44-3   | O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate; fosthiazate                  |
| 22224-92-6   | O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate; fenamiphos                |
| 1069136-34-0 | Oils, Callitropsis nootkatensis  |
| 864662-46-4  | Oils, ginger, Zingiber purpureum   |
| -            | Olefinic carbocycle, reaction products with alkoxyasilane                                      |
| -            | Olefinic carbocycle, reaction products with alkoxyasilane, polysulfurized                      |
| -            | Olefinic carbocycle, reaction products with alkoxyasilane, sulfurized                          |
| -            | Oligomeric phenolic ether  |
| -            | Oligomeric silicic acid ester compound with a hydroxylalkylamine                               |
| 88-74-4      | O-nitroaniline   |
| 91-23-6      | O-nitroanisole   |
| 88-72-2      | O-nitrotoluene   |
| -            | Organic phosphonate salt   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Organic Tin Compounds   |
| -            | Organo zinc salts   |
| -            | Organobromine compound  |
| -            | Organochlorine compound   |
| -            | Organometallic complex salts  |
| -            | Organophosphate compounds   |
| -            | Organophosphorus polymer  |
| -            | Organosilane ester  |
| -            | Organosulfide   |
| -            | Organotin catalysts   |
| -            | Organotin lithium compound  |
| 89-72-5      | O-sec-butylphenol   |
| 84-15-1      | O-terphenyl   |
| -            | Oxabicycloalkane carboxylic acid alkanediyl ester   |
| 78385-26-9   | Oxetane, 3-(bromomethyl)-3-methyl-  |
| 18934-00-4   | Oxetane, 3,3'-[oxybis(methylene)]bis[3-ethyl-   |
| 449177-94-0  | Oxetane, 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]-   |
| 475678-78-5  | Oxetane, 3-methyl-3-[[3,3,4,4,5,5,6,6,6-nonafluorohexyl]oxy]methyl]-  |
| -            | Oxime, di-Me silane   |
| -            | Oxime, Me vinyl silane  |
| 16801-19-7   | Oxirane, [[2-(2-ethenoxy)ethoxy]methyl]-  |
| 134818-68-1  | Oxirane, 2-(1-chlorocyclopropyl)-2-[(2-chlorophenyl)methyl]-  |
| 30424-08-9   | Oxirane, 2,2'-(phenylene)bis-   |
| 87093-13-8   | Oxirane, 2,2'-(ethylenedioxy)bis[4,1-phenyleneoxy]methylene]tris-   |
| 249297-16-3  | Oxirane, 2-[[[(1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl]oxy]methyl]-  |
| 1022990-65-3 | Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers   |
| 1013910-41-2 | Oxirane, 2-ethyl-, polymer with oxirane, mono-C12-14-sec-alkyl ethers   |
| 204336-40-3  | Oxirane, 2-methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether  |
| -            | Oxirane, substituted silylmethyl-, hydrolysis products with alkanol zirconium(4+) salt and silica, acetates   |
| 428-59-1     | Oxirane, trifluoro(trifluoromethyl)-  |
| 13895-77-7   | Oxiranemethanaminium, N,N,N-trimethyl-, bromide   |
| -            | Oxo-substituted aminoalkanoic acid derivative   |
| 27304-13-8   | Oxychlordane  |
| -            | o-Xylene compound   |
| -            | Ozone depleting substances (ODS)  |
| 30784-30-6   | p-(1,1-Dimethylheptyl)phenol  |
| 17404-66-9   | p-(1-Methyloctyl)phenol   |
| -            | Palladium and its compounds   |
| -            | Palm Oil  |
| 12174-11-7   | Palygorskite; attapulgite   |
| 123-30-8     | P-aminophenol   |
| 104-94-9     | P-anisidine   |
| 56-38-2      | Parathion   |
| -            | Partially fluorinated alcohol substituted glycols   |
| -            | Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5) amine salts   |
| -            | Partially fluorinated condensation polymer  |
| 106-51-4     | P-benzoquinone  |
| -            | PCDD (Polychlorodibenzodioxane)   |
| -            | PCDF (Polychlorodibenzofurane)  |
| 106-47-8     | p-chloroaniline;4-chloroaniline   |
| 106-48-9     | P-chlorophenol  |
| 106-43-4     | P-chlorotoluene   |
| -            | PCT's (poly chlorinated terphenyls)   |
| 32536-52-0   | Penta, Octa, Deca BDE   |
| 32534-81-9   | Pentabromo(phenoxybenzene)  |
| 608-93-5     | Pentachlorobenzene  |
| 82-68-8      | Pentachloronitrobenzene; quintozene (PCNB)  |
| 87-86-5      | Pentachlorophenol   |
| 133-49-3     | Pentachlorothiophenol   |
| 133-49-3     | Pentachlorothiophenol   |
| 335-71-7     | Pentadecafluoroheptane-1-sulphonyl fluoride   |
| 138495-42-8  | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-  |
| 132182-92-4  | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-(trifluoromethyl)-  |
| 462-94-2     | Pentane-1,5-diamine   |
| -            | Pentandiol light residues   |
| 75405-06-0   | Pentanenitrile, 3-amino-  |
| 109-52-4     | Pentanoic acid and a preparation containing the same. However, those containing 11% or less of pentanoic acid are excluded.                                   |
| 91144-26-2   | Pentasodium bis[4-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-2-naphthyl-3-sulpho]azo]-3-hydroxy-7-nitronaphthalene-1-sulphonato(4-)]cobaltate |
| -            | Pentenylated polyethylene glycol sulfate salt   |
| 13654-09-6   | Perbromobiphenyl  |
| -            | Perchlorate   |
| 7601-90-3    | Perchloric acid   |
| 127-18-4     | Perchloroethylene   |
| -            | Perfluorated compound   |
| -            | Perfluorinated alkylthio betaine  |
| -            | Perfluorinatedalkyl polyalkoxysilane  |
| -            | Perfluorinatedalkyl polyhydroxysilane   |
| 1763-23-1    | Perfluoro(octane-1-sulfonic acid)   |
| 1763-23-1    | perfluoro(octane-1-sulfonic acid) (PFOS)  |
| -            | Perfluoroalkyl acrylate copolymer   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| -            | Perfluoroalkyl aromatic carbamate modified alkyl methacrylate copolymer  |
| -            | Perfluoroalkyl epoxide   |
| -            | Perfluoroalkyl substituted alkyl sulfonate (generic)   |
| -            | Perfluoroalkylethyl acrylate copolymer   |
| -            | Perfluoroalkylethyl methacrylate copolymer   |
| -            | Perfluoroalkylethyl methacrylate copolymer with dialkylaminoethylmethacrylate  |
| -            | Perfluoroalkylethyl methacrylate copolymer with hydroxymethyl acrylamide, vinyl chloride and long chain fatty alkyl acrylate             |
| -            | Perfluorobutane sulfonic acid (PFBS) and its salts   |
| -            | Perfluorobutanesulfonamide and polyoxyalkylene containing polyurethane (generic)   |
| 307-34-6     | Perfluorocarbon (PFC)  |
| 559-40-0     | Perfluorocyclopentene  |
| 307-51-7     | Perfluorodecane sulphonyl fluoride   |
| 355-46-4     | Perfluorohexane sulfonic acid (PFHxS)  |
| 423-50-7     | Perfluorohexanesulphonyl fluoride  |
| -            | Perfluorinated carboxylic acids (PFCAs)  |
| 68259-06-3   | Perfluorononanesulphonyl fluoride  |
| 754-91-6     | Perfluorooctane-1-sulfonamide  |
| 307-35-7     | Perfluorooctane-1-sulfonyl fluoride  |
| -            | Perfluoro-octane-sulfonic acid and its salts amines  |
| 335-67-1     | Perfluorooctanoic acid (PFOA)  |
| 2706-91-4    | Perfluoropentane-1-sulphonic acid  |
| 375-81-5     | Perfluoropentane-1-sulphonyl fluoride  |
| -            | Perfluoropolyether modified organosilane (generic).  |
| 86508-42-1   | Perfluorotri-n-butylamine  |
| -            | Perhalo alkoxy ether   |
| -            | PFHxS  |
| 62-44-2      | Phenacetin   |
| 85-01-8      | Phenanthrene   |
| 108-95-2     | Phenol   |
| -            | Phenol - biphenyl polymer condensate   |
| -            | Phenol and its derivatives   |
| -            | Phenol and vinyltoluene based hydrocarbon resin  |
| -            | Phenol, 1,1-dimethylalkyl derivatives (generic)  |
| 73936-80-8   | Phenol, 2-(1-methyl-1-phenylethyl)-4-(1,1,3,3-tetramethylbutyl)-   |
| -            | Phenol, 2,2'-[1,2-disubstituted-1,2-ethanediyl]bis(iminomethylene)bis(substituted- (generic)   |
| 134701-20-5  | Phenol, 2,4-dimethyl-6-(1-methylpentadecyl)-   |
| 558452-77-0  | Phenol, 2,6-dimethyl-, homopolymer, ether with 2,2',3,3',5,5'-hexamethyl[1,1'-biphenyl]-4,4'-diol (2:1),bis[(ethenylphenyl)methyl] ether |
| 1332716-20-7 | Phenol, 2-[[[3-(1H-imidazol-1-yl)propyl]imino]phenylmethyl]-5-(octyloxy)-  |
| 1078715-83-9 | Phenol, 2-[[[3-(dimethylamino)propyl]amino]methyl]-6-methyl-, 4-polybutene derivs.   |
| 1253404-90-8 | Phenol, 2-[1-[[3-(1H-imidazol-1-yl)propyl]imino]ethyl]-  |
| 1801269-80-6 | Phenol, 2-dodecyl-, branched   |
| 71119-07-8   | Phenol, 2-ethoxy-4-(ethoxymethyl)-   |
| 1801269-77-1 | Phenol, 3-dodecyl-, branched   |
| 30813-81-1   | Phenol, 4-(1,1-dimethylethyl)-, homopolymer  |
| 93589-69-6   | Phenol, 4,4'-[methylenebis(oxy-2,1-ethanediythio)]bis-   |
| 90884-29-0   | Phenol, 4,4'-[oxybis(2,1-ethanediythio)]bis-   |
| 197178-93-1  | Phenol, 5-amino-2,4-dichloro-, hydrochloride   |
| 68937-41-7   | Phenol, isopropylated, phosphate (3:1)   |
| 452082-53-0  | Phenol, polymer with formaldehyde, 3-((2-aminocyclohexyl)amino)-2-hydroxypropyl ethers   |
| 1539128-27-2 | Phenol, styrenated, reaction products with polyethylene glycol and 2-((2-propen-1-yloxy)methyl)oxirane                                   |
| -            | Phenol-biphenyl-formaldehyde polycondensate  |
| -            | Phenothiazine derivative   |
| -            | Phenoxazin-5-ium, 3-dialkylamino-7-aryl-amino-, salt   |
| -            | Phenoxy alkyl ether  |
| -            | Phenyl azo dye   |
| -            | Phenyl substituted triazolones   |
| -            | Phenyl(disubstituted)polycyclic  |
| -            | Phenyl, alkyl, hydroxyalkyl substituted imidazole  |
| -            | Phenylazoalkoxy naphthylamines   |
| -            | Phenylenebis[imino (chlorotriazinyl)imino(substituted naphthyl)azo(substituted phenyl)azo, sodium salt                                   |
| 95-54-5      | Phenylenediamine   |
| 100-63-0     | Phenyldiazine  |
| -            | Phenylmercuric acetate/nitrate/octanoate   |
| 96-09-3      | Phenyloxirane  |
| -            | Phosphated polyarylphenol ethoxylate, potassium salt   |
| -            | Phosphine, dialkylphenyl   |
| 284685-45-6  | Phosphinic acid, P,P-diethyl-, zinc salt (2:1)   |
| 132767-86-3  | Phosphinothioic acid, P,P-bis(2,4,4-trimethylpentyl)-  |
| -            | Phosphonic acid chloride, diester  |
| -            | Phosphonic acid ester  |
| 55088-28-3   | Phosphonic acid, P-[2-bis(2-hydroxyethyl)amino]ethyl-, bis(2-chloroethyl) ester  |
| 71463-79-1   | Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-                                |
| 71463-81-5   | Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester                 |
| 1186211-38-0 | Phosphonic acid, p-octyl-, lanthanum(3+) salt (2:1)  |
| 1773514-66-1 | Phosphonic acid, P-tetradecyl-, reaction products with cadmium selenide (CdSe)   |
| -            | Phosphonium salt   |
| 220689-12-3  | Phosphonium, tetrabutyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)   |
| 359406-89-6  | Phosphonium, tetrakis(hydroxymethyl)-, chloride (1:1), reaction products with 1-tetradecanamine and urea                                 |
| -            | Phosphonocarboxylate salts   |
| -            | Phosphoramidate  |
| -            | Phosphoramidic acid, carbomonocyclic-, diphenylester   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| -            | Phosphoric acid derivative  |
| -            | Phosphoric acid esters  |
| 129733-59-1  | Phosphoric acid, C6-12-alkyl esters, compds. with 2-(dibutylamino)ethanol   |
| -            | Phosphoric acid, metal salt (generic).  |
| -            | Phosphoric acid, mixed esters   |
| 882693-50-7  | Phosphoric acid, mixed mono- and diesters with 2-ethyl-1-hexanol and polyethylene glycol mono-C12-16-alkyl ethers   |
| 34621-99-3   | Phosphoric acid, P,P'-1,2-ethanediyl P,P,P',P'-tetrakis(2-chloro-1-methylethyl) ester   |
| -            | Phosphoric acid, polymer with cycloaliphatic diglycidyl ether, alkylethers  |
| 22239-24-3   | Phosphoric acid, sodium titanium (4+) salt (3:1:2)  |
| 63944-06-9   | Phosphoroselenoictrichloride  |
| 26083-30-7   | Phosphoroselenoictrifluoride  |
| 10025-87-3   | Phosphorous Halides   |
| 13445-50-6   | Phosphorous Hydrides and its derivatives  |
| -            | Phosphorous modified epoxy resin  |
| 6303-21-5    | Phosphorous Oxoacids and its derivatives  |
| 7803-51-2    | Phosphorus  |
| 7789-69-7    | Phosphorus Pentabromide   |
| 10026-13-8   | Phosphorus Pentabromide   |
| 7647-19-0    | Phosphorus Pentabromide   |
| 1314-80-3    | Phosphorus Pentasulfide   |
| 1314-56-3    | Phosphorus Pentoxide  |
| -            | Phosphorus Sulfides   |
| 7789-60-8    | Phosphorus Tribromide   |
| 7783-55-3    | Phosphorus Trifluoride  |
| 13455-01-1   | Phosphorus Triiodide  |
| 1314-24-5    | Phosphorus Trioxide   |
| 85-44-9      | Phthalic anhydride  |
| -            | Phthalic anhydride, polymer with alkylene glycol and alkanepolyol, acrylate (generic).  |
| 99-96-7      | P-hydroxybenzoic acid   |
| 110-85-0     | Piperazine  |
| 130277-45-1  | Piperazinone, 1,1',1''-[1,3,5-triazine-2,4,6-triyltris(cyclohexylimino)-2,1-ethanediyl]]tris[3,3,4,4,5,5-pentamethyl-   |
| 71463-74-6   | Piperidin-1-ium perfluorooctane-1-sulfonate   |
| 6975-24-2    | P-isopropylcinnamaldehyde   |
| -            | Pitch, coal tar, high temp.   |
| -            | Plasticizers Phthalate  |
| -            | Plastics, wastes, pyrolyzed, bulk pyrolysate (generic).   |
| -            | Plastics, wastes, pyrolyzed, heavy distillate (generic).  |
| -            | Plastics, wastes, pyrolyzed, light distillate (generic).  |
| -            | Plastics, wastes, pyrolyzed, middle distillate (generic).   |
| 26543-97-5   | P-isononylphenol  |
| 100-00-5     | P-nitrochlorobenzene  |
| 100-02-7     | P-nitrophenol   |
| 1806-26-4    | P-octylphenol   |
| 25068-38-6   | Poly(Bisphenol A-co-epichlorohydrin)  |
| 675869-05-3  | Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-2-propen-1-yl)-.omega.-hydroxy-,C12-16-alkyl ethers   |
| 72009-86-0   | Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propen-1-yl)-.omega.-(1,1'-biphenyl)-2-yloxy-  |
| 28554-31-6   | Poly(oxy-1,2-ethanediyl), .alpha.-(2-hydroxy-3-sulfopropyl)-.omega.-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-, sodium salt (1:1)                                     |
| 620610-66-4  | Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-2-propen-1-yl)-.omega.-hydroxy-, C10-16-alkyl ethers  |
| 675869-02-0  | Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-2-propen-1-yl)-.omega.-hydroxy-, C12-15-alkyl ethers  |
| 58857-49-1   | Poly(oxy-1,2-ethanediyl), .alpha.-(9Z)-9-octadecen-1-yl-.omega.-hydroxy-, phosphate, ammonium salt  |
| -            | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[1-methylethylidene)di-4,1-phenylene]bis[.omega.-[[6-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxohexyl]oxy]-           |
| 174254-18-3  | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[thiobis(1-oxo-3,1-propanediyl)]bis[.omega.-hydroxy-, bis(C11-15 and C11-15-isoalkyl) ethers                           |
| 52032-20-9   | Poly(oxy-1,2-ethanediyl), .alpha.-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]carbonyl]-.omega.-butoxy-                           |
| 68298-80-6   | Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-                                    |
| 56372-23-7   | Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-                                  |
| 68298-81-7   | Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-                           |
| 68958-60-1   | Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl]-.omega.-methoxy-                           |
| 106008-93-9  | Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-, ester with boric acid (H3BO3)   |
| 52495-71-3   | Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[2-oxiranylmethoxy]-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)                                  |
| 306975-84-8  | Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked |
| 224646-44-0  | Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[[1-((2-propen-1-yloxy)methyl)tridecyl]oxy]-, ammonium salt (1:1)   |
| 352661-91-7  | Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[[1-((2-propen-1-yloxy)methyl)undecyl]oxy]-, ammonium salt (1:1)  |
| 184719-88-8  | Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-((4-nonylphenoxy)methyl)-2-(2-propen-1-yloxy)ethoxy]-, branched, ammonium salts                                |
| -            | Poly(oxy-1,2-ethanediyl), alpha substituted-omega-hydroxy-, C16-20 alkyl ethers   |
| 54140-64-6   | Poly(oxy-1,2-ethanediyl), alpha, alpha'-(1-methylethylidene)di-4,1-phenylene]bis[.omega.-oxiranylmethoxy]-  |
| 56565-72-1   | Poly(oxy-1,2-ethanediyl), alpha-[(13Z)-1-oxo-13-docosen-1-yl]-.omega.-[[13Z)-1-oxo-13-docosen-1-yl]oxy]-  |
| -            | Poly(oxy-1,2-ethanediyl), .alpha., .monoalkyl ethers-.omega.-mono (hydrogen maleate)-   |
| 50974-47-5   | Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-[nonylphenoxy]-  |
| 36493-27-3   | Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxodocosyl)-.omega.-[1-oxodocosyl]oxy]-  |
| 9051-57-4    | Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenoxy)-, ammonium salt  |
| 68649-55-8   | Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenoxy)-, branched, ammonium salt  |
| -            | Poly(oxy-1,4-butanediyl), -hydro-hydroxy-, polymer with alkyl diisocyanates   |
| -            | Poly(oxyalkylenediyl), .alpha.-[[[methyl-3-[[[(polyfluoroalkyl)oxy]carbonyl]amino]phenyl]amino]carbonyl]-.omega.-methoxy-   |
| -            | Poly(oxyalkylenediyl), .alpha.-substituted carbomonocycle-.omega.-substituted carbomonocycle  |
| -            | Poly(oxyethylene)alkyl ether (alkyl C=12-15)  |
| 9016-45-9    | Poly(oxyethylene)nonylphenyl ether  |
| 9036-19-5    | Poly(oxyethylene)octylphenyl ether  |
| 149303-87-7  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(1-oxo-2-propen-1-yl)-.omega.-[[tetrahydro-2-furanyl]methoxy]-  |
| 1220986-58-2 | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-[1,4-cyclohexanediyl]bis(methylene)]bis[.omega.-[2-aminomethylethoxy]-   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 613246-75-6  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[[2,2-dimethyl-3-[(1-oxododecyl)oxy]propylidene]amino]methylthoxy]-.omega.-[2-[[2,2-dimethyl-3-[(1-oxododecyl)oxy]propylidene]amino]methylthoxy]-  |
| 68310-17-8   | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-  |
| 68259-38-1   | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-  |
| 68259-39-2   | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-   |
| 37338-48-0   | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-  |
| 858944-25-9  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-(4-nonylphenoxy)-, branched  |
| 958238-81-8  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-sulfo-.omega.-hydroxy-, C12-13-branched and linear alkyl ethers, sodium salts   |
| 958238-82-9  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-sulfo-.omega.-hydroxy-, C14-15-branched and linear alkyl ethers, sodium salts   |
| 126928-24-3  | Poly[oxy(methyl-1,2-ethanediyl)], .alpha.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[omega-(oxiranylmethoxy)-  |
| 1041420-54-5 | Poly[oxy-1,2-ethanediyl], .alpha.-(1-oxododecyl)-.omega.-[3-triethoxysilyl]propoxy]-  |
| 25014-41-9   | Polyacrylonitrile   |
| -            | Polyalkenyl, N,N'-bistriazole   |
| -            | Polyalkenylalkylphenol  |
| -            | Polyalkylene glycol polyamide ester phosphate   |
| -            | Polyalkylene glycol substituted acetate   |
| -            | Polyalkylene oxide dialkylamine   |
| -            | Polyalkylene polyamine  |
| -            | Polyalkylenepolyol alkylamine   |
| -            | Polyalkyltrisiloxane (generic)  |
| -            | Polyamide amine   |
| -            | Polyamine dithiocarbamate   |
| -            | Polyamine ureaformaldehyde condensate   |
| -            | Polyaminopolyacid   |
| -            | Polyaromatic amine phosphate  |
| -            | Polyaromatic hydrocarbons   |
| -            | Polyaromatic organophosphorus compound  |
| -            | Polyaziridinyl ester of an aliphatic alcohol  |
| 67774-32-7   | Polybrominated biphenyls (PBB)  |
| -            | Polybrominated diphenylethens (PBDE)  |
| -            | Polycarbamoylsulfonic acid sodium salt  |
| -            | Polycarboyclic methacrylate   |
| -            | Polycarboxylic acid ester   |
| 1336-36-3    | polychlorinated biphenyls (PCB)   |
| -            | Polychlorinated naphthalenes (only those containing more than 2 chlorine atoms in the molecule)   |
| 8001-35-2    | Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptane (Synonym: Toxaphene)   |
| -            | Polychloronaphthalenes  |
| 130498-29-2  | Polycyclic Aromatic Hydrocarbon   |
| -            | Polycyclic isocyanate   |
| -            | Polycyclic polyamine diester organometallic compound  |
| -            | Polyepoxy polyol  |
| -            | Polyester of adipic acid with 1,3-butanediol, 1,2- propanediol and 2-ethyl-1- hexanol   |
| -            | Polyester polyurethane acrylate   |
| -            | Polyester silane  |
| -            | Polyether acrylate  |
| -            | Polyether ester acid compound with a polyamine amide  |
| -            | Polyether modified fatty acids  |
| -            | Polyether modified polysiloxane, acrylated  |
| -            | Polyether polyester copolymer phosphate   |
| -            | Polyether polyester urethane phosphate (generic).   |
| -            | Polyether polyol  |
| -            | Polyetherdiamine  |
| -            | Polyethyleneamine crosslinked with substituted polyethylene glycol  |
| -            | Polyfluorinated alkyl amine   |
| -            | Polyfluorinated alkyl halide  |
| -            | Polyfluorinated alkyl polyamide   |
| -            | Polyfluorinated alkyl quaternary ammonium chloride (generic)  |
| -            | Polyfluorinated alkyl thio acrylamide   |
| -            | Polyfluorinated alkyl thio polyacrylamide   |
| -            | Polyfluorinated alkyl thio polyacrylic acid-acrylamide  |
| -            | Polyfluorinated alkyl thiol   |
| -            | Polyfluorinatedalkylsulfonyl substituted alkane derivative (generic)  |
| -            | Polyfluoroalkylether  |
| -            | Polyfluorocarboxylates  |
| -            | Polyfluorohydrocarbon (generic)   |
| -            | Polyfluorosulfonic acid salt  |
| -            | Polyglycerin alkyl ether  |
| -            | Polyglycerin mono(4-nonylphenyl) ether  |
| -            | Polyhydroxyaminoether salts   |
| -            | Polysisobutene epoxide  |
| -            | Polyitaconic acid, sodium zinc salt (generic)   |
| 306975-62-2  | Polymer of 1,1-dichloroethene / dodecyl methacrylate / 2-(N-methylperfluoroalkyl(C=4-8)sulfonamido)ethyl acrylate   |
| 306975-85-9  | Polymer of 1,1-dichloroethene / dodecyl methacrylate / N-(hydroxymethyl)acrylamide / 2-(N-methylperfluoroalkyl(C=4-8)sulfonamido)ethyl methacrylate / octadecyl methacrylate  |
| 70776-36-2   | Polymer of 1,1-dichloroethene, N-(hydroxymethyl)acrylamide, 2-(N-methylperfluorobutane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoropentane-1-sulfonamido)ethyl acrylate and octadecan-1-yl methacrylate |
| 652968-34-8  | Polymer of 1,3-phenylenedimethanamine / (reaction products of 2-(chloromethyl)oxirane and polyethylene glycol)  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance  |
|-------------|--|
| 68909-15-9  | Polymer of 2-(heptadecafluorooctyl-N-methylsulfonamido)ethyl acrylate / icosyl acrylate / 2-(nonafluorobutyl-N-methylsulfonamido)ethyl acrylate / octadecyl acrylate / branched octyl acrylate / 2-(pentadecafluoroheptyl-N-methylsulfonamido)ethyl acrylate / polyethylene glycol acrylate methyl ether / 2-(tridecafluorohexyl-N-methylsulfonamido)ethyl acrylate / 2-(undecafluoropentyl-N-methylsulfonamido)ethyl acrylate |
| 68555-91-9  | Polymer of 2-(N-ethylperfluorobutane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluoroheptane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluorohexane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluorooctane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluoropentane-1-sulfonamido)ethyl methacrylate and octadecan-1-yl methacrylate  |
| 68877-32-7  | Polymer of 2-(N-ethylperfluorobutane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluoroheptane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluorohexane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluorooctane-1-sulfonamido)ethyl methacrylate, 2-(N-ethylperfluoropentane-1-sulfonamido)ethyl methacrylate and isoprene   |
| 68555-92-0  | Polymer of 2-(N-methylperfluorobutane-1-sulfonamido)ethyl methacrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl methacrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl methacrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl methacrylate, 2-(N-methylperfluoropentane-1-sulfonamido)ethyl methacrylate and octadecan-1-yl methacrylate   |
| 306978-04-1 | Polymer of acrylamide / butyl acrylate / 2-(N-methylperfluoroalkyl(C=4-8)sulfonamido)ethyl acrylate / 1,1-dichloroethene   |
| 68541-80-0  | Polymer of acrylic acid, 2-(N-ethylperfluorooctane-1-sulfonamido)ethyl methacrylate and octadecan-1-yl acrylate  |
| 71487-20-2  | Polymer of acrylic acid, methyl methacrylate, 2-(N-methylperfluorobutane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoropentane-1-sulfonamido)ethyl acrylate and styrene  |
| -           | Polymer of alkanepolyol and polyalkylpolyisocyanatocarbomonocycle, acetone oxime-blocked   |
| 68867-60-7  | Polymer of alpha-acryloyl-omega-methoxypropyl(oxyethylene), 2-(N-methylperfluorobutane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl acrylate and 2-(N-methylperfluoropentane-1-sulfonamido)ethyl acrylate   |
| -           | Polymer of bisphenol A diglycidal ether, substituted alkenes, and butadiene  |
| 68555-90-8  | Polymer of butan-1-yl acrylate, 2-(N-methylperfluorobutane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl acrylate and 2-(N-methylperfluoropentane-1-sulfonamido)ethyl acrylate   |
| 306976-25-0 | Polymer of butyl acrylate / butyl methacrylate / N-[2-(methacryloyloxy)ethyl]-N,N-dimethylhexadecan-1-aminium bromide / 2-(N-methylperfluoroalkane(C=4-8)-1-sulfonamido)ethyl acrylate   |
| 127133-66-8 | Polymer of butyl methacrylate / dodecyl methacrylate / methacrylic acid / 2-(N-methylperfluoroalkyl(C=4-8)sulfonamido)ethyl methacrylate   |
| 77226-90-5  | Polymer of diphenyl carbonate / diphenyl methylphosphonate / 4,4'-(propane-2,2-diyl)diphenol   |
| -           | Polymer of disodium maleate, allyl ether, and ethylene oxide   |
| 68329-56-6  | Polymer of hexadecan-1-yl acrylate, icosan-1-yl acrylate, 2-(N-methylperfluorobutane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoroheptane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorohexane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluorooctane-1-sulfonamido)ethyl acrylate, 2-(N-methylperfluoropentane-1-sulfonamido)ethyl acrylate and octadecan-1-yl acrylate  |
| 12071-83-9  | Polymer of N,N'-propylenebis(dithiocarbamic acid)zinc; propineb  |
| 98999-57-6  | Polymer of N-[2-(acryloyloxy)ethyl]-N-methylperfluoroalkane(C=7-8)sulfonamide / 2-ethoxyethyl acrylate / [2-(methacryloyloxy)ethyl](trimethyl)ammonium chloride / oxiran-2-ylmethyl methacrylate   |
| -           | Polymer of phenol, biphenyl and resorcinol   |
| -           | Polymer of polyethylenepolyamine and alkanediol diglycidyl ether   |
| -           | Polymer of substituted phenol, formaldehyde, epichlorohydrin, and disubstituted benzene  |
| -           | Polymer of terephthalic acid and ethyl benzene with multi-walled carbon nanotube   |
| -           | Polymeric MDI based polyurethanes  |
| -           | Polymerized rosin amidoamine   |
| -           | Polymer of polyalkylenepolyol and trisubstituted phenol  |
| -           | Polymers of C13-C15 oxoalcohol ethoxalates   |
| -           | Polymethylsiloxane, distillation residues (generic)  |
| -           | Polynaphthalene chloride   |
| -           | Polyoxyalkylene glycol amine   |
| -           | Polyoxyalkylene ether, polymer with aliphatic diisocyanate, homopolymer, alkanol-blocked   |
| -           | Polyoxyalkylene substituted aromatic azo colorant  |
| 9005-64-5   | Polyoxyethylene (20) sorbitan monolaurate (polysorbate 20)   |
| -           | Polyoxyethylene polyalkylarylphenylether sulfate ammonium salt   |
| 383905-85-9 | Polyphosphoric acids, compds. with piperazine  |
| -           | Polyphosphoric acids, esters with substituted amines, compounds with alkyl pyridines   |
| -           | Poly(piperidinol-acrylate methacrylate)  |
| 9003-53-6   | Polystyrene  |
| -           | Polysubstituted bis phenylazonaphthalene disulfonic acid   |
| -           | Polysubstituted carbomonocyclic hydroxylamine  |
| -           | Polysubstituted phenylazopolysubstitutedphenyl dye   |
| -           | Polysubstituted piperidine   |
| -           | Polysulfide mixture  |
| 9002-82-0   | Polytetrafluoroethylene (PTFE)   |
| -           | Polythiol  |
| -           | Polyurea   |
| -           | Polyurethane polymer   |
| 9002-86-2   | Polyvinyl chloride (PVC)   |
| -           | Polyvinylchloride (PVC), Polyvinylidene chloride(PVDC) and Chlorinated plastics  |
| -           | Post-consumer recycled waste   |
| 2991-51-7   | Potassium (N-ethylperfluorooctane-1-sulfonamido)acetate  |
| 55910-10-6  | Potassium {[(heptadecafluorooctyl)sulfonyl](propyl)amino} acetate  |
| 67584-62-7  | Potassium [ethyl[(pentadecafluoroheptyl)sulfonyl]amino] acetate  |
| 67584-53-6  | Potassium [ethyl[(tridecafluorohexyl)sulfonyl]amino] acetate   |
| 3872-25-1   | Potassium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulfonate  |
| 3871-99-6   | Potassium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate  |
| 60270-55-5  | Potassium 1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptane-1-sulfonate   |
| 335-24-0    | Potassium 1,2,2,3,3,4,4,5,5,6,6-decafluoro-4-(pentafluoroethyl)cyclohexanesulphonate   |
| 68541-01-5  | Potassium 2,3,4,5-tetrachloro-6-[(3-[(pentadecafluoroheptyl)sulfonyl]oxy)phenyl]carbamoylebenzoate   |
| 57589-85-2  | Potassium 2,3,4,5-tetrachloro-6-[(3-[(perfluorooctan-1-yl)sulfonyl]oxy)phenyl]carbamoylebenzoate   |
| 68815-72-5  | Potassium 2,3,4,5-tetrachloro-6-[(3-[(tridecafluorohexyl)sulfonyl]oxy)phenyl]carbamoylebenzoate  |
| 68541-02-6  | Potassium 2,3,4,5-tetrachloro-6-[(3-[(undecafluoropentyl)sulfonyl]oxy)phenyl]amino]carbonylbenzoate  |
| 7778-50-9   | Potassium chromate   |
| 67584-42-3  | Potassium decafluoro(pentafluoroethyl)cyclohexanesulphonate  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| 68156-07-0   | Potassium decafluoro(trifluoromethyl)cyclohexanesulphonate   |
| 67584-52-5   | Potassium N-ethyl-N-[(undecafluoropentyl)sulphonyl]glycinate   |
| 7758-09-0    | Potassium nitrite  |
| 68156-01-4   | Potassium nonafluorobis(trifluoromethyl)cyclohexanesulphonate  |
| 2795-39-3    | Potassium perfluorooctane-1-sulfonate  |
| 1502809-56-4 | Potassium salt of (butyl, decyl, octyl, 2-(2-phenoxyethoxy)ethyl and 2-phenoxyethyl) mixed ester of phosphoric acid  |
| 1456802-88-2 | Potassium salt of (monohexadecyl ether of polymer of 2-methylloxirane / oxirane) phosphate   |
| 178094-69-4  | Potassium salt of N-[3-(N,N-dimethylazino)propan-1-yl]perfluorooctane-1-sulfonamide  |
| -            | Potassium salt of polyolefin acid  |
| 14263-59-3   | Potassium Tetracyanoaurate (III)   |
| 12673-69-7   | Potassium titanium oxide   |
| 12056-51-8   | Potassium titanium oxide (K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> )   |
| 13827-02-6   | Potassium trifluorozincate   |
| 3107-18-4    | Potassium undecafluorocyclohexanesulphonate  |
| 156-43-4     | P-phenetidine  |
| 78-96-6      | Preparations containing 1-Amino-2-propanol   |
| 100-20-9     | Preparations containing Benzene-1,4-dicarbonyl = dichloride  |
| 75-75-2      | Preparations containing Methanesulphonic acid  |
| -            | Primary Aromatic Amines (PAA)  |
| -            | Prop.65 update 13/9/19 LDPE  |
| 35123-06-9   | Propanamide, 2-hydroxy-N,N-dimethyl-   |
| 35544-45-7   | Propanamide, N-(2-hydroxyethyl)-3-methoxy-   |
| 3607-78-1    | Propane, 1,1,1,3,3,3-hexachloro-   |
| 147783-69-5  | Propanedioic acid, 2-[(4-methoxyphenyl)methylene]-, 1,3-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester   |
| 25176-89-0   | Propanenitrile, 3-[4-[(5,6-dichloro-2-benzothiazolyl)azo] phenyl]ethylamino]-  |
| -            | Propanenitrile, 3-[amino, (C14-18 and C16-18 unsaturated alkyl)] dipropylenetri-   |
| -            | Propanenitrile, 3-[amino, (C14-18 and C16-18 unsaturated alkyl)] trimethylenedi-   |
| -            | Propanenitrile, 3-[amino, (C14-18 and C16-18 unsaturated alkyl)] tripropylenetetra-  |
| -            | Propanenitrile, 3-[amino, N-tallowalkyl] dipropylenetri-   |
| -            | Propanenitrile, 3-[amino, N-tallowalkyl] tripropylenetri-  |
| 16586-42-8   | Propanenitrile, 3-[ethyl[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo] phenyl]amino]-   |
| 22288-41-1   | Propaneperoxoic acid, 2,2-dimethyl-, 1,1,3,3-tetramethylbutyl ester  |
| -            | Propanetriol polyalkylenepolyolamine aryl aldimine   |
| 137787-41-8  | Propanoic acid, 2-(trimethoxysilyl)-, ethyl ester  |
| -            | Propanoic acid, 2-hydroxy-, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-((1, 3-dimethylbutylidene)amino)ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products formates (salts), (generic).   |
| -            | Propanoic acid, 2-hydroxy-, compds. with hydrolyzed bisphenol A-epichlorohydrin-polyethylene glycol ether with bisphenol A (2:1) polymer-N1-(1,3-dimethylbutylidene)-N2-[2-((1, 3-dimethylbutylidene)amino)ethyl]-1,2-ethanediamine-dialdehyde-2-(methylamino)ethanol reaction products formates (salts), (generic).   |
| 306975-57-5  | Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and 1,2,3-propanetriol, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compds. with morpholine  |
| 306975-56-4  | Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compds. with triethylamine |
| 1560-69-6    | Propanoic acid, cobalt(2+) salt  |
| 1952336-63-8 | Propanoic acid, iron (2+) salt (2:1).  |
| -            | Propanoic acid, alkyl ester, polymer with 1,3- cyclohexanedialkylamine, reaction products with oxirane(alkoxyalkyl) (generic).   |
| -            | Propionic acid methyl ester  |
| -            | Propoxylated ethoxylated alkylamine  |
| 94-14-3      | Propyl 4-hydroxybenzoate   |
| 94-13-3      | Propylparaben  |
| 43100-38-5   | P-tert-butylbenzohydrazide   |
| 167062-70-6  | Pulp, cellulose, reaction products with lignin.  |
| -            | p-xylene   |
| -            | Pyrazolone azomethine dye  |
| -            | Pyrazolone derivative  |
| 129-00-0     | Pyrene   |
| 110-86-1     | Pyridine   |
| 69045-84-7   | Pyridine, 2,3-dichloro-5-(trifluoromethyl)-  |
| 1815-99-2    | Pyridine, 4-decyl-   |
| 346709-25-9  | Pyrimido[5,4-g]pteridine-2,4,6,8-tetramine 4-methylbenzenesulfonate base-hydrolyzed  |
| 120-80-9     | Pyrocatechol   |
| -            | Pyrolysis oil product (generic).   |
| 33204-76-1   | Quadrosilan  |
| -            | Quaternary alkyl methyl amine ethoxylate methyl chloride   |
| -            | Quaternary ammonium alkyltherpropyl trialkylamine halides  |
| -            | Quaternary ammonium compound   |
| -            | Quaternary ammonium compounds, bis(fattyalkyl) dimethyl, salts with tannins  |
| 956147-76-5  | Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides, reaction products with silica   |
| -            | Quaternary ammonium compounds, fatty alkyl dialkyl hydroxide   |
| -            | Quaternary ammonium compounds, tri-C <sub>8</sub> -10-alkylmethyl, hydrogen sulfates   |
| 308074-73-9  | Quaternary ammonium compounds, tris(hydrogenated tallow alkyl)methyl, chlorides  |
| -            | Quaternary ammonium hydroxide  |
| -            | Quaternary ammonium salt of fluorinated alkylaryl amide  |
| -            | Quaternary ammonium salts  |
| -            | Quaternized protein/silicone copolymer   |
| -            | Quino[2,3-b] acridine-7,14-dione, 2,9-dichloro-5,12-dihydro [4-[[2-(sulfoxy) ethyl] substituted] phenyl]-, sodium salt (1:1)   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| -            | Quino[2,3-b]acridine-7, 14-dione, 5,12-dihydro-2,9-dimethyl-, 4-[(17-substituted-3,6,9,12,15-pentaazaheptadec-1-yl)substituted]phenyl derivs., hydrochlorides  |
| -            | Quino[2,3-b]acridine-7,14-dione, 5,12-dihydro-ar-[4-[[2-(sulfooxy)ethyl]substituted]phenyl]-, monosodium salt  |
| 91-22-5      | Quinoline  |
| -            | Radioactive substances   |
| -            | Rare earth phosphate   |
| -            | Rare earth salt of a carboxylic acid   |
| -            | Raw material of nanometersize  |
| 160901-25-7  | Reaction product of 2-ethyl-1-hexanol, N-ethyl-N-(hydroxyethyl)perfluoroalkane(C=4-8)sulfonamide and polymethylenepolyphenylene isocyanate   |
| -            | Reaction product of a mixture of aromatic dianhydrides and aliphatic esters with an aromatic diamine (generic)   |
| 192662-29-6  | Reaction product of acrylic acid and N-[3-(dimethylamino)propyl]perfluoroalkane(C=4-8)sulfonamide  |
| -            | Reaction product of alkanediol and epichlorohydrin   |
| -            | Reaction product of alkylene diamine, MDI, substituted carbomocyclic amine and alkylamine  |
| -            | Reaction product of alkylphenol, aromatic cyclicamine, alkyl diglycidyl dibenzene, and formaldehyde  |
| -            | Reaction product of alkylphenyl glycidyl ether, polyalkylenepolyamine, alkyl diglycidyl dibenzene, and polyalkylcyclicdiamine  |
| -            | Reaction product of alkylphenyl glycidyl ether, polyalkylenepolyamine, and alkyl diglycidyl dibenzene  |
| -            | Reaction product of aluminum hydroxide and modified alkoxysilane   |
| 68608-14-0   | Reaction product of bis(4-isocyanatophenyl)methane and N-ethyl-N-(hydroxyethyl)perfluoroalkane(C=4-8)sulfonamide   |
| -            | Reaction product of dichlorobenzidine and substituted alkylamide   |
| -            | Reaction product of epoxy with anhydride and glycerol and glycol   |
| -            | Reaction product of ethoxylated fatty acid oils and a phenolic pentaerythritol tetraester  |
| 705265-31-2  | Reaction product of ethylene glycol and 2-(chloromethyl)oxirane  |
| 148684-79-1  | Reaction product of ethylene glycol, N-(hydroxyethyl)-N-methylperfluoroalkane(C=4-8)sulfonamide and polymer of 1,6-diisocyanatohexane  |
| -            | Reaction product of phenolic pentaerythritol tetraesters with fatty acid esters and oils, and glyceride triesters  |
| 475645-84-2  | Reaction product of polymer of dimethyl methyl-hydrogen cyclosilazanes / dimethyl methyl-hydrogen silazanes with 3-(triethoxysilyl)propan-1-amine  |
| -            | Reaction product of substituted aromatic diol, formaldehyde and alkanolamine, propoxylated   |
| -            | Reaction product of trimethylolpropane triacrylate and alkylene imine  |
| -            | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPb)   |
| -            | Reaction products of alcohols, alkyl alcohols, amino alcohols and methanol sodium salts  |
| -            | Reaction products of fatty alcohols, (aminoethylaminopropyl) dialkoxymethylsilane, glycidol, and hydroxy-terminated polydimethylsiloxane   |
| 68649-26-3   | Reaction products of N-ethyl-N-(2-hydroxyethyl)perfluorobutane-1-sulfonamide, N-ethyl-N-(2-hydroxyethyl)perfluoroheptane-1-sulfonamide, N-ethyl-N-(2-hydroxyethyl)perfluorohexane-1-sulfonamide, N-ethyl-N-(2-hydroxyethyl)perfluorooctane-1-sulfonamide, N-ethyl-N-(2-hydroxyethyl)perfluoropentane-1-sulfonamide, octadecan-1-ol and polymethylenepolyphenylene isocyanate |
| -            | Reaction products of secondary alkyl amines with a substituted benzenesulfonic acid and sulfuric acid  |
| -            | Reaction products of substituted hydroxyalkanes and polyalkylpolyisocyanatocarbomono- cycle  |
| -            | Recovered metal hydroxide  |
| 108-46-3     | Resorcinol   |
| 108-46-3     | Resorcinol   |
| -            | Rosin amidoamine   |
| -            | Rubber cement containing benzene (benzene content >5%)   |
| 389623-01-2  | Rutile, tin zinc, calcium-doped  |
| 389623-07-8  | Rutile, tin zinc, sodium-doped   |
| -            | Rye  |
| 950-37-8     | S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethylphosphorodithioate; methidathion (DMTP)  |
| 95465-99-9   | S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate; cadusafos  |
| 28249-77-6   | S-4-chlorobenzyl N,N-diethylthiocarbamate; thiobencarb   |
| 62850-32-2   | S-4-phenoxybutyl N,N-dimethylthiocarbamate; phenothiocarb  |
| 94-59-7      | Safrrole   |
| 90-02-8      | Salicylaldehyde  |
| -            | Salt of a modified tallow alkylenediamine  |
| -            | Salt of a substituted sulfonated aryl azo compound   |
| -            | Salt of an acrylic acid - acrylamide terpolymer  |
| -            | Salt of cyclodiamine and mineral acid  |
| 2437-29-8    | Salt of dimethyl(4-[[4-(dimethylamino)phenyl](phenyl)methylidene]cyclohexa-2,5-dien-1-ylidene)ammonium and oxalic acid (2:3)   |
| -            | Salt of mixed fatty amidoamines  |
| -            | Salt of mixed fatty amidoamines and polyethylenepolyamines   |
| -            | Salt of polyalkylenepolyamine derivative   |
| 26087-47-8   | S-benzyl O,O-diisopropyl phosphorothioate; iprobenfos (IBP)  |
| 172343-36-1  | Schiff bases, from ammonia-diethylene glycol reaction product fractionation forecuts and formaldehyde  |
| -            | Selenium and its compounds   |
| 00057-56-7   | Semicabazide   |
| 57-56-7      | Semicarbazide  |
| 2212-67-1    | S-ethyl hexahydro-1H-azepine-1-carbthioate; molinate   |
| 85535-84-8   | Short-chain chlorinated paraffins (SCCP)   |
| 35077-00-0   | Silanamine, 1,1,1-triethoxy-N,N-diethyl-   |
| -            | Silane, (1,1-dimethylethoxy) dimethoxy(2-methyl propyl)-   |
| 1191036-21-1 | Silane, (3-chloropropoxy)dimethyl(1-methylethyl)-  |
| 100402-91-3  | Silane, trimethoxy[3-(oxiranylmethoxy)propyl]-, reaction products with wollastonite (Ca(SiO <sub>3</sub> ))  |
| -            | Silanes substituted macrocycle polyethyl   |
| -            | Silanized amorphous silica (generic).  |
| 649574-37-8  | Silica, [(ethenylsilylydine)tris(oxy)]-modified  |
| 16923-87-8   | Silicate(2-), hexafluoro-, cesium (1:2)  |
| 181828-07-9  | Silicic acid (H <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> ), magnesium strontium salt (1:1:2), dysprosium and europium-doped   |
| 102184-95-2  | Silicic acid, zirconium salt, cadmium pigment-encapsulated   |
| -            | Silicoaluminophosphates, compd. with organic amine   |
| -            | Silicon, tris[dialkyl phenyl]-dialkyl-dioxoalkane-naphthalene disulfonate (generic).   |
| 7440-21-3    | silicone   |
| -            | Silicone and its compound  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance  |
|--------------|--|
| -            | Siloxane and its derivatives   |
| -            | Siloxane modified alumina nanoparticles  |
| -            | Siloxane modified silica nanoparticles   |
| 1623456-05-2 | Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, reaction products with cadmium zinc selenide sulfide, lauric acid and oleylamine   |
| 189354-73-2  | Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, reaction products with polyethylene-polypropylene glycol Bu glycidyl ether   |
| -            | Siloxanes and Silicones, alkyl, alky propoxy ethyl, methyl octyl, alkyl polyfluorooctyl  |
| -            | Siloxanes and silicones, aminoalkyl, fluoroctyl, hydroxy-terminated salt   |
| 179005-02-8  | Siloxanes and Silicones, di-Me, 3-[4-[[[3-(dimethylamino)propyl]amino]carbonyl]-2-oxo-1-pyrrolidinyl]propyl Me   |
| 630106-04-6  | Siloxanes and Silicones, di-Me, Me vinyl, hydroxy-terminated, reaction products with [(ethenyldimethylsilyloxy)-modified silica  |
| 630106-00-2  | Siloxanes and Silicones, di-Me, Me vinyl, hydroxy-terminated, reaction products with silica  |
| 306974-28-7  | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate |
| 478823-10-8  | Siloxanes and Silicones, di-Me, polymers with Ph silsesquioxanes, hydrolyzed, reaction products with 2-[[3-(trimethoxysilyl)propoxy]methyl]oxirane   |
| 182635-99-0  | Siloxanes and Silicones, Me hydrogen, reaction products with 2,2,6,6-tetramethyl-4-(2-propen-1-yloxy)piperidine  |
| 630106-02-4  | Siloxanes and Silicones, Me vinyl, hydroxy-terminated, reaction products with [(ethenyldimethylsilyloxy)-modified silica   |
| 630106-01-3  | Siloxanes and Silicones, Me vinyl, hydroxy-terminated, reaction products with silica   |
| -            | Silver and its compounds   |
| 7783-93-9    | Silver perchlorate   |
| -            | Silyl amine, potassium salt  |
| -            | Silylated polyurethane   |
| -            | Simazine   |
| -            | Single-walled and multi-walled carbon nanotubes  |
| -            | Single-walled carbon nanotubes   |
| -            | Sinorhizobium meliloti strain RMBPC-2  |
| 1391739-82-4 | Slimes and Sludges, aluminum and iron casting, wastewater treatment, solid waste   |
| 1392095-50-9 | Slimes and Sludges, automotive coating, wastewater treatment, solid waste  |
| 16752-77-5   | S-methyl-N-(methylcarbamoyloxy)thioacetimidate; methomyl   |
| 81190-38-7   | Sodio(2-hydroxyethyl)[3-[(2-hydroxy-3-sulphonatopropyl)](tridecafluorohexyl)sulphonyl]amino]propyl]dimethylammonium hydroxide  |
| 3871-50-9    | Sodium (N-ethylperfluorooctane-1-sulfonamido)acetate   |
| 141321-68-8  | Sodium [(carboxymethyl)(dodecan-1-yl)amino]acetate   |
| 51032-47-4   | Sodium [[[(heptadecafluorooctyl)sulphonyl]amino]methyl]benzenesulphonate   |
| 68299-21-8   | Sodium [[[(tridecafluorohexyl)sulphonyl]amino]methyl]benzenesulphonate   |
| 68299-20-7   | Sodium [[[(undecafluoropentyl)sulphonyl]amino]methyl]benzenesulphonate   |
| 132-27-4     | Sodium 1,1'-biphenyl-2-olate   |
| 73772-32-4   | Sodium 3-[[[3-(dimethylamino)propyl]](tridecafluorohexyl)sulphonyl]amino]-2-hydroxypropanesulphonate   |
| 94133-90-1   | Sodium 3-{N-[3-(N,N-dimethylamino)propan-1-yl]perfluorooctane-1-sulfonamido}-2-hydroxypropane-1-sulfonate  |
| 68955-20-4   | Sodium alkyl sulfate (alkyl C=16-18)   |
| 68299-29-6   | Sodium ar-[[[(pentadecafluoroheptyl)sulphonyl]amino]methyl]benzenesulphonate   |
| 26628-22-8   | Sodium azide   |
| 532-32-1     | Sodium benzoate  |
| -            | Sodium bromide MDA complex   |
| 7775-11-3    | Sodium chromate  |
| 143-33-9     | Sodium cyanide   |
| 151-21-3     | Sodium dodecyl sulfate   |
| 7681-53-0    | Sodium Hypophosphite   |
| 62-74-8      | Sodium monofluoroacetate   |
| 68555-71-5   | Sodium N-ethyl-N-[(pentadecafluoroheptyl)sulphonyl]glycinate   |
| 68555-70-4   | Sodium N-ethyl-N-[(tridecafluorohexyl)sulphonyl]glycinate  |
| 68555-69-1   | Sodium N-ethyl-N-[(undecafluoropentyl)sulphonyl]glycinate  |
| 7632-00-0    | Sodium nitrite   |
| -            | Sodium olefin sulfonate derivative   |
| 7791-07-3    | Sodium perchlorate   |
| 9004-82-4    | Sodium poly(oxyethylene) dodecyl ether sulfate   |
| 151688-56-1  | Sodium salt of (monohexadecyl ether of polymer of 2-methyloxirane / oxirane) phosphate   |
| 4016-24-4    | Sodium salt of 2-sulfohexadecanoic acid 1-methyl ester   |
| -            | Sodium salt of an alkylated, sulfonated aromatic   |
| -            | Sodium salt of azo acid dye  |
| -            | Sodium salts of dodecylphenol  |
| 1344-00-9    | Sodium silico-aluminate  |
| -            | Sodium tungsten oxide.   |
| 1002761-12-7 | Soybean oil, epoxidized, reaction products with diethanolamine   |
| -            | Specified benzotriazole  |
| -            | Specified bromine-based flame retardants   |
| -            | Specified organic tin compounds  |
| -            | Specific benzotriazole   |
| -            | Spelt wheat  |
| -            | Spiro naphthoxazine  |
| 91648-39-4   | Stannane, dioctyl-, bis(coco acyloxy) derivs   |
| -            | Stilbene diglycidyl ether  |
| 100-42-5     | Styrene  |
| -            | Styrene oligomers  |
| -            | Styrene, copolymer with acrylic acid, salt with alkoxylated alkenylamine   |
| -            | Styrenyl surface treated manganese ferrite   |
| -            | Styrenyl surface treated manganese ferrite with acrylic ester polymer  |
| -            | Substituted 1,6-dihydroxy naphthalene  |
| -            | Substituted 2-nitro- and 2-aminobenzenesulfonamide   |
| -            | Substituted 6,6'-(1-methylethylidene)bis[3,4-dihydro-3-phenyl-1,3-benzoxazine]   |
| -            | Substituted acridine naphtha substituted benzamide   |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no. | Substance   |
|---------|---|
| -       | Substituted acrylamide  |
| -       | Substituted acrylamides and acrylic acid copolymer  |
| -       | Substituted aliphatic amine   |
| -       | Substituted alkanolamine ether (generic).   |
| -       | Substituted alkanolamine phenol   |
| -       | Substituted alkene, reaction products with isophoronediamine  |
| -       | Substituted alkyl aminomethylene polyphosphonic acid, salt  |
| -       | Substituted alkyl ester, hydrolysis products with silica  |
| -       | Substituted alkyl ester, hydrolysis products with silica and substituted silane   |
| -       | Substituted alkyl halide  |
| -       | Substituted alkyl phosphine oxide   |
| -       | Substituted alkyl sulfonamide   |
| -       | Substituted alkylamides   |
| -       | Substituted alkylamine salt   |
| -       | Substituted amide aromatic carboxylic acid, metal salt  |
| -       | Substituted amino ethane sulfonic acid salt   |
| -       | Substituted aminoalkyl nitrile  |
| -       | Substituted aminobenzoic acid ester   |
| -       | Substituted and disubstituted tetrafluoro alkenes   |
| -       | Substituted anilino halobenzamide   |
| -       | Substituted anthraquinone   |
| -       | Substituted aromatic  |
| -       | Substituted aryl acetoneitrile  |
| -       | Substituted aryl sulfonium polyfluorophosphate salts  |
| -       | Substituted azo metal complex dye   |
| -       | Substituted benzamine thio-ether  |
| -       | Substituted benzenamine schiff base   |
| -       | Substituted benzenediamine  |
| -       | Substituted benzenesulfonic acid salt   |
| -       | Substituted benzoic acid  |
| -       | Substituted benzonitrile  |
| -       | Substituted benzophenone  |
| -       | Substituted benzothiazole-azo-substituted benzoquinoline nickel complex   |
| -       | Substituted benzotriazole   |
| -       | Substituted benzotriazole derivatives   |
| -       | Substituted benzyl acrylate   |
| -       | Substituted bis 2,6-xylenol   |
| -       | Substituted bisaniline  |
| -       | Substituted bis-phenol  |
| -       | Substituted bromothiophene  |
| -       | Substituted carbazate   |
| -       | Substituted carbocyclic butane tetracarboxylate   |
| -       | Substituted carboxamide   |
| -       | Substituted dialkyl oxazolone   |
| -       | Substituted dimethyl phenols  |
| -       | Substituted diphenylmethane   |
| -       | Substituted ethanolamine  |
| -       | Substituted ethoxylated hydrocarbon   |
| -       | Substituted ethyl alkenamide  |
| -       | Substituted halogenated pyridinol   |
| -       | Substituted halogenated pyridinol, alkali salt  |
| -       | Substituted heteroaromatic-2[[4-(dimethylamino) phenyl]azo]-3-methyl-, salts  |
| -       | Substituted heteromonocycle, polymer with substituted alkane and ethoxylated alkane, substituted heteromonocycle substituted alkyl ester-blocked (generic). |
| -       | Substituted heteromonocycle, telomer with substituted carbomonocycles, substituted alkyl ester (generic).   |
| -       | Substituted hydrazine   |
| -       | Substituted hydroxylamine   |
| -       | Substituted imines  |
| -       | Substituted methylpyridine and substituted 2-phenoxypyridine  |
| -       | Substituted naphthalene hydrazide   |
| -       | Substituted naphthalene polymer glycidyl ether  |
| -       | Substituted naphthalenesulfonic acid, alkali salt   |
| -       | Substituted naphtholoazo-substituted naphthalenyl-substituted azonaphthol chromium complex  |
| -       | Substituted nitrobenzene  |
| -       | Substituted nitrobenzene  |
| -       | Substituted oxirane   |
| -       | Substituted perfluoroalkyl sulfonamide  |
| -       | Substituted perfluoroether  |
| -       | Substituted phenol  |
| -       | Substituted phenols and formaldehyde polymer, alkylated   |
| -       | Substituted phenyl azo substituted benzenediazonium salt  |
| -       | Substituted phenyl azo substituted sulfo carbopolycycle   |
| -       | Substituted phenyl azo substituted sulfocarbopolycycle, sodium salt   |
| -       | Substituted phenylazophenylazo phenol   |
| -       | Substituted phenylepoxide   |
| -       | Substituted phenylimino carbamate derivative  |
| -       | Substituted phosphate ester   |
| -       | Substituted picolinate  |
| -       | Substituted picolinic acid  |
| -       | Substituted polyaryl sulfonium polyhalide phosphate salt  |
| -       | Substituted polyglycidyl benzenamine  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.     | Substance   |
|-------------|---|
| -           | Substituted polyoxyethylene   |
| -           | Substituted propane   |
| -           | Substituted purine metal salt   |
| -           | Substituted pyridine azo substituted phenyl   |
| -           | Substituted pyridine coupled with diazotized substituted nitrobenzotrile, diazotized substituted benzenamine and substituted pyridinecarbonitrile   |
| -           | Substituted pyridines   |
| -           | Substituted quinoline   |
| -           | Substituted quinoline derivative (generic).   |
| -           | Substituted resorcinols   |
| -           | Substituted silane, hydrolysis products with silica   |
| -           | Substituted silyl methacrylate  |
| -           | Substituted S-phenylthiazole  |
| -           | Substituted spiro oxazine   |
| -           | Substituted thiazino hydrazine salt   |
| -           | Substituted triazole  |
| -           | Substituted triphenylmethane  |
| 85-86-9     | Sudan (III)   |
| -           | Sulfonamide   |
| -           | Sulfonamide type plasticizers   |
| 179005-06-2 | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxi)amino]propyl], potassium salts  |
| 178535-22-3 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked |
| 68608-13-9  | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI  |
| -           | Sulfonated alkylbenzene salts (generic).  |
| -           | Sulfonated-copper phthalocyanine salt of a triarylmethane dye   |
| -           | Sulfonic acid, linear xylene alkylate, mono, sodium salts   |
| 68391-09-3  | Sulfonic acids, C6-12-alkane, perfluoro, potassium salts  |
| 306974-45-8 | Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether   |
| -           | Sulfonyl azide intermediate   |
| -           | Sulfosuccinic acid ester, alkylamine derivs., sodium salt   |
| 7704-34-9   | Sulfur  |
| -           | Sulfur bridged substituted phenols  |
| 7446-09-5   | Sulfur dioxide  |
| 180189-40-6 | Sulfur thulium ytterbium yttrium oxide  |
| 7446-11-9   | Sulfur trioxide   |
| 84501-49-5  | Sulfuric acid, mono-C9-11-alkyl esters, sodium salts  |
| -           | Sulfurized alkylphenol  |
| -           | Sulfurized hydrocarbon  |
| -           | Surface modified magnesium hydroxide  |
| -           | Tall oil fatty acids, reaction products with polyamines, alkyl substituted  |
| -           | Tantalum and their derivatives  |
| 896-85-2    | Tar acid  |
| -           | Tar acids fraction (generic).   |
| 101316-83-0 | Tar, brown-coal   |
| -           | TCEP  |
| 100-21-0    | Terephthalic acid   |
| -           | Terpenes  |
| 166432-37-7 | Terpenes and Terpenoids, limonene fraction, distn. residues, distillates  |
| 61788-32-7  | Terphenyl, hydrogenated   |
| -           | tert-Amyl peroxy alkylene ester   |
| 134098-61-6 | Tert-butyl 4-((1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene)aminooxy)methyl]benzoate; fenpyroximate   |
| 75-91-2     | Tert-butyl hydroperoxide  |
| 1948-33-0   | Tert-butylhydroquinone (TBHQ)   |
| 25103-58-6  | Tert-dodecanethiol  |
| -           | Tertiary amine  |
| -           | Tertiary amine alkyl ether  |
| -           | Tertiary amine salt of glycol succinate   |
| -           | Tertiary ammonium compound  |
| -           | Tetra alkyl ammonium salt   |
| -           | Tetraaryltin  |
| 12267-73-1  | Tetraboron disodium heptaoxide  |
| 40088-47-9  | Tetrabromo(phenoxybenzene)  |
| 40088-47-9  | Tetrabromo(phenoxybenzene) (Synonym: Tetrabromodiphenyl ether)  |
| 79-94-7     | Tetrabromobisphenol A (TBBA, TBBPA)   |
| 109678-33-3 | Tetrabromodipentaerythritol   |
| 558-13-4    | Tetrabromomethane   |
| 14518-69-5  | Tetrabutylphosphonium hydroxide   |
| -           | Tetrachlorodifluoroethane; CFC-112  |
| 1897-45-6   | Tetrachloroisophthalonitrile; chlorothalonil; TPN   |
| 56-23-5     | Tetrachloromethane  |
| 117-08-8    | Tetrachlorophthalic anhydride   |
| 629-59-4    | Tetradecane   |
| 107-49-3    | Tetraethyl pyrophosphate (TEPP)   |
| 56773-42-3  | Tetraethylammonium perfluorooctane-1-sulfonate  |
| 97-77-8     | Tetraethylthiuram disulfide; disulfiram   |
| 1187-03-7   | Tetraethylurea  |
| -           | Tetrafluoro nitrotoluene  |
| -           | Tetrafluoroethylene chlorotrifluoroethylene copolymer   |
| -           | Taglycidalamines  |
| 7226-23-5   | Tetrahydro-1,3-dimethyl-1H-pyrimidin-2-one  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.      | Substance   |
|--------------|---|
| 79710-86-4   | Tetrahydrofuran-3-carboxaldehyde  |
| -            | Tetrahydroheteropolycycle   |
| 11070-44-3   | Tetrahydromethylphthalic anhydride  |
| 1660-95-3    | Tetraisopropyl methylenebisphosphonate  |
| -            | Tetramethylammonium salts of alkylbenzenesulfonic acid  |
| 97-74-5      | Tetramethylthiuram monosulfide  |
| 2602-46-2    | Tetrasodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]   |
| 2429-81-4    | Tetrasodium 5-[[[4'-[[[2,6-diamino-3-[[[8-hydroxy-3,6-disulphonato-7-[(4-sulphonato-1-naphthyl)azo]-2-naphthyl]azo]-5-tolyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate |
| -            | Tetrasubstituted aminocarboxylic acid   |
| 13453-40-2   | Thallium perchlorate (I)  |
| -            | Thermolized wasted plastic  |
| -            | Thiaalkanethiol   |
| -            | Thiadiazole derivative  |
| 126213-50-1  | Thieno[3,4-b]-1,4-dioxin, 2,3-dihydro-  |
| 62-55-5      | Thioacetamide   |
| 111-17-1     | Thiodipropionic acid  |
| -            | Thioether epoxy   |
| -            | Thionocarbamate derivative  |
| 116971-11-0  | Thiophene, 2,5-dibromo-3-hexyl-   |
| -            | Thiosubstituted carbonate ester   |
| 1033050-53-1 | Thiosulfuric acid (H2S2O3), manganese(2+) salt (1:1)  |
| 62-56-6      | Thiourea  |
| 137-26-8     | Thiuram   |
| -            | Tin and their derivatives   |
| -            | Tin(2+) salt of alkylcarboxylic acid  |
| 1315588-63-6 | Tin, C16-18 and C18-unsatd. fatty acids castor-oil fatty acids complexes  |
| -            | Tires, wastes, pyrolyzed, C5-15 condensate oil fraction   |
| 1410795-89-9 | Tires, wastes, pyrolyzed, C6-39 oil fraction  |
| 1410795-87-7 | Tires, wastes, pyrolyzed, C7-56 oil fraction  |
| 17927-72-9   | Titanium acetylacetonate  |
| 13463-67-7   | Titanium dioxide  |
| -            | Titanium oxide compound (generic).  |
| -            | Titanium salt, reaction products with silica (generic)  |
| 108-88-3     | Toluene   |
| -            | Toluene diisocyanate, polymers with polyalkylene glycol   |
| -            | Toluene sulfonamide bisphenol A epoxy adduct  |
| 25376-45-8   | Toluenediamine  |
| 95-53-4      | Toluidine   |
| 26471-62-5   | Tolylene diisocyanate   |
| 57966-95-7   | Trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea; cymoxanil   |
| 156-60-5     | Trans-1,2-dichloroethylene  |
| 39765-80-5   | Trans-nanochlor   |
| 77536-68-6   | Tremolite   |
| -            | Trialkylammonium borodibenzoate (generic)   |
| -            | Triaryltin  |
| 75-25-2      | Tribromomethane; bromoform  |
| 36483-57-5   | Tribromoneopentyl alcohol   |
| 77-94-1      | Tributyl citrate  |
| 102-82-9     | Tributylamine   |
| 81741-28-8   | Tributyltetradecylphosphonium chloride  |
| 688-73-3     | Tributyltin (TBT)   |
| 56-36-0      | Tributyltin acetate   |
| 1461-22-9    | Tributyltin chloride  |
| 1983-10-4    | Tributyltin fluoride  |
| 3090-36-6    | Tributyltin laurate   |
| 2155-70-6    | Tributyltin methacrylate  |
| 56-35-9      | Tributyltin Oxide (TBTO)  |
| 6517-25-5    | Tributyltin sulfamate   |
| -            | Tricarbomonocycle-substituted carbomonocycletricarboxamide  |
| 98-13-5      | Trichloro (phenyl) silane and preparation containing the same   |
| 76-03-9      | Trichloroacetic acid  |
| 12002-48-1   | Trichlorobenzene  |
| 79-01-6      | Trichloroethylene   |
| 75-69-4      | Trichlorofluoromethane; CFC-11  |
| 76-06-2      | Trichloronitromethane; chloropicrin   |
| -            | Trichlorotrifluoroethane; CFC-113   |
| 3380-34-5    | Triclosan   |
| -            | Tricyclic quaternary amine salt   |
| 3717-40-6    | Tricyclo[3.3.1.1.3,7]decan-1-amine, N,N-dimethyl-   |
| 68239-74-7   | Tridecafluoro-N-(4-hydroxybutyl)-N-methylhexanesulphonamide   |
| 68259-15-4   | Tridecafluoro-N-methylhexanesulphonamide  |
| 629-50-5     | Tridecane   |
| -            | Tridecyl phthalate  |
| -            | Triethanolamine salts of fatty acids  |
| 51851-37-7   | Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroethyl)silane   |
| 2602-34-8    | Triethoxy[3-(2-oxiranylethoxy)propyl]silane   |
| 427-700-2    | Triethyl Arsenate [427-700-2]   |
| 77-93-0      | Triethyl citrate  |
| 121-44-8     | Triethylamine   |
| 112-24-3     | Triethylenetetramine  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.              | Substance   |
|----------------------|---|
| -                    | Trifunctional acrylic ester   |
| -                    | Trimellitic anhydride, polymer with alkanolamine and tetrahydrophthalic anhydride   |
| -                    | Trimellitic anhydride, polymer with substituted glycol, alkyl phenols and ethoxylated nonylphenol   |
| -                    | Trimethyl spiropolyheterocyclic naphthalene compound  |
| 38006-74-5           | Trimethyl[3-(perfluorooctane-1-sulfonamido)propan-1-yl]ammonium chloride  |
| 1652-63-7            | Trimethyl[3-(perfluorooctane-1-sulfonamido)propan-1-yl]ammonium iodide  |
| 68957-55-1           | Trimethyl-3-[[[undecafluoropentyl]sulphonyl]amino]propylammonium chloride   |
| 68957-57-3           | Trimethyl-3-[[[undecafluoropentyl]sulphonyl]amino]propylammonium iodide   |
| -                    | Trimethylolpropane polyol, aminated   |
| 126-73-8             | Tri-n-butyl phosphate   |
| 2587-76-0            | Trioctyltin chloride  |
| 26412-88-4           | Trioxochromium  |
| -                    | Triphenodioxazine derivatives   |
| 115-86-6             | Triphenyl phosphate   |
| 136040-19-2          | Triphenylmethylum tetrakis(pentafluorophenyl)borate(1-)   |
| 900-95-8             | Triphenyltin acetate  |
| 639-58-7             | Triphenyltin chloride   |
| 7094-94-2            | Triphenyltin chloroacetate  |
| 379-52-2             | Triphenyltin fluoride   |
| 76-87-9              | Triphenyltin hydroxide  |
| 1803-12-9            | Triphenyltin N,N-dimethyldithiocarbamate  |
| -                    | Triphenyltin salt of fatty acid (only those containing 9,10 or 11 carbon atoms in the fatty acid)   |
| -                    | Tris carbamoyl triazine   |
| 13674-87-8           | Tris(1,3-dichloro-2-propyl)phosphate (TDCPP)  |
| 13674-84-5           | Tris(1-chloro-2-propyl)phosphate (TCPP)   |
| 126-72-7             | Tris(2,3-dibromopropan-1-yl) phosphate  |
| 115-96-8             | Tris(2-chloroethyl) phosphate   |
| 78-42-2              | Tris(2-ethylhexyl) phosphate  |
| -                    | Tris(disubstituted alkyl) heterocycle   |
| 26523-78-4           | Tris(nonylphenyl)phosphite (TNPP)   |
| 2250-98-8            | Tris[2-(N-ethylperfluorooctane-1-sulfonamido)ethyl] phosphate   |
| -                    | Tris-alkyl-alkoxy melamine polymer  |
| 6358-80-1            | Trisodium 4-amino-5-hydroxy-3-[[4'-[[4-hydroxy-2-(2-methylanilino)phenyl]diazanyl]biphenyl-4-yl]diazanyl]-6-[[4-sulfonatophenyl]diazanyl]naphthalene-2,7-disulfonate  |
| 6360-29-8            | Trisodium 5-[[4'-[[4-(4-amino-7-sulphonato-1-naphthyl)azo]-6-sulphonato-1-naphthyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate  |
| 2429-73-4            | Trisodium 5-amino-3-((4'-(7-amino-1-hydroxy-3-sulfonato-2-naphthyl)diazanyl)biphenyl-4-yl)diazanyl]-4-hydroxynaphthalene-2,7-disulfonate  |
| -                    | Trisodium chloro [(trisubstituted heteromonocycle amino) propylamino]triazinylamino hydroxyazo naphthalenetrisulfonate  |
| -                    | Trisodium diethylene triaminopolycarboxylate  |
| 7601-54-9            | Trisodium phosphate   |
| -                    | Trisphenol  |
| -                    | Tristyryl phenol alkoxylate salt  |
| -                    | Trisubstituted ethoxylated carbomonocycle   |
| -                    | Trisubstituted anthracene   |
| -                    | Trisubstituted hydroquinone diester   |
| -                    | Tri-substituted organostannic compounds   |
| -                    | Trisubstituted phenol   |
| 15578-32-2           | Tritin bis(orthophosphate)  |
| 1330-78-5            | Tritolyl phosphate  |
| -                    | Trivalent chromium complexes of a substituted beta-naphthol amine azo dye   |
| 108-98-5             | T-thiophenol  |
| 12141-67-2           | Tungstate (W12(OH)2O386-), sodium (1:6)   |
| -                    | Tungsten and their derivatives  |
| 355-03-3             | Undecafluorocyclohexanesulphonyl fluoride   |
| 307-24-4, 21615-47-4 | Undecafluorohexanoic acid and its ammonium salt   |
| 1120-21-4            | Undecane  |
| 2432-99-7            | Undecanoic acid, 11-amino-  |
| -                    | Unsaturated fatty acids, amides with polyethylenepolyamine  |
| -                    | Unsaturated polyester imide   |
| 57-13-6              | Urea  |
| -                    | Urea melamine-formalin condensate   |
| -                    | Urea, condensate with poly[oxy(methyl-1,2-ethanediy)]-.alpha.-(2-aminomethylethyl)-.mu.-(2-aminoethylethoxy)  |
| -                    | Urea, N,N'-(methyl-1,3-phenylene)bis[N,N'-bis[3-polyalkyleneamino]-, compd. with formaldehyde polymer with phenol   |
| 51-79-6              | Urethane  |
| -                    | UV-curing component (Photo-initiator)   |
| -                    | Vanadium compounds  |
| -                    | Vegetable fatty acid alkyl esters (generic)   |
| 94-04-2              | Vinyl 2-ethylhexanoate  |
| 108-05-4             | Vinyl acetate   |
| -                    | Vinyl carboxylic acid ester   |
| -                    | Vinyl epoxy ester   |
| 54423-67-5           | Vinyl neononanoate  |
| 693-38-9             | Vinyl palmitate   |
| 3377-92-2            | Vinyl pivalate  |
| 1332-08-7            | Wolframite  |
| -                    | Xanthylum, x-[2-(alcoyrcarbonyl)phenyl]-bis(alkylamino)-dimethyl-, x'-[x''-[hydroxy-x'''-[[[hydroxyx''''-(phenyldiazanyl)-sulfo-2-naphthalenyl]amino]carbonyl]amino]sulfonylnaphthalenyl]diazanyl]benzoate, sodium salt |
| 1330-20-7            | Xylene  |
| -                    | Yttrium borate phosphate vanadate with europium and additional dopants  |
| 13990-54-0           | Yttrium phosphate   |
| 7440-66-6            | Zinc  |

**Appendix I**  
**List of Substances/Chemicals that are not intended to use in this product**

| CAS no.              | Substance   |
|----------------------|---|
| -                    | Zinc ammonium phosphate   |
| -                    | Zinc bis(dialkylthiocarbamate)  |
| 137-30-4             | Zinc bis(N,N-dimethyldithiocarbamate); ziram  |
| -                    | Zinc carboxylate  |
| -                    | Zinc carboxylate salt   |
| 18957-59-0           | Zinc cinnamate  |
| 13637-61-1           | Zinc perchlorate  |
| 72869-37-5           | Zinc sulfide (ZnS), cobalt and copper-doped   |
| 135364-47-5          | Zinc, bis(N,N-dipropyl-.beta.-alaninato-.kappa.N.,kappa.O)-, (T-4)-   |
| 171884-15-4          | Zinc, bis[3-(acetyl-.kappa.O)-6-methyl-2H-pyran-2,4(3H)-dionato-.kappa.O4]diaqua-                                       |
| 12122-67-7           | Zineb   |
| 137-30-4             | Ziram   |
| -                    | Zirconia Aluminosilicate, Refractory Ceramic Fibres   |
| 7699-43-6            | Zirconium dichloride oxide  |
| -                    | Zirconium dichlorides   |
| -                    | Zirconium lysine complex  |
| -                    | Zirconium substituted heteropolycyclic  |
| 68988-10-3           | Zirconium, dipropylene glycol iso-Bu alc. neodecanoate propionate cobalt complexes                                      |
| 80-56-8 and 127-91-3 | $\alpha$ -Pinene and $\beta$ -Pinene  |
| 7695-91-2            | $\alpha$ -tocopherol acetate  |
| 58-95-7              |   |
| 97-56-3              | o-aminoazotoluene   |
| -                    | oxo-degradable materials  |
| -                    | 2,4 Dimethyl-6-tertiary-butylphenol   |
| -                    | Antimicrobial materials   |
| -                    | Hexachlorocyclohexane (Lindane)   |
| -                    | Monocresyl Phosphate  |
| -                    | Thiazolinones   |
| -                    | 4,4'-Bis(dimethylamino)benzophenone   |
| -                    | CMR Compounds (Carcinogenic, Mutagenic, Toxic to Reproduction)  |
| -                    | Diaminostilbene (and its derivatives)   |
| -                    | Glyoxale  |
| -                    | Nylon   |
| -                    | Organic Peroxides   |
| -                    | Phosgene (Carbonyl Chloride)  |
| -                    | Tricresyl Phosphate   |
| -                    | Promethium  |
| 54849-38-6           | Triisooctyl 2,2',2''-(methylstannylidene)tris(thio) triacetate  |
| 106-46-7             | Paradichlorobenzene PDCB  |
| 135821-03-3          | Dechlorane Plus syn-isomers   |
| 135821-74-8          | Dechlorane Plus anti-isomers  |
| 101-72-4             | IPPD (N-isopropyl-N'-phenyl-p-phenylenediamine)   |
| -                    | Medium chain chlorinated paraffin (MCCP)  |
| -                    | Long chain perfluorocarboxylic acid (LC-PFCA)   |
| 3896-11-5            | Bumetrizole   |
| 7723-14-0            | Red Phosphorous   |
| -                    | Active & Intelligent Food Contact Materials i.e. antimicrobial, anti-fungal   |
| 54060-92-3           | C.I. Basic Yellow 103   |
| 1472050-04-6         | 4-chloro-2-fluoro-5-[(RS)-(2,2,2-trifluoroethyl)sulfinyl]phenyl 5-[(trifluoromethyl)thio]pentyl ether or flupentiofenox |
| 107-07-3             | 2-Chloroethanol   |
| -                    | Mica  |
| 18755-43-6           | dimethyl propylphosphonate  |
| 120-40-1             | N,N-Bis(2-hydroxyethyl)dodecanamide   |
| -                    | Endocrine disruptors  |
| -                    | Potassium Iodate  |
| 1718-53-2            | Benz[a]anthracene-d12   |
| 140-67-0             | estragole   |
| 183658-27-7          | 2-ethylhexyl-2,3,4,5-tetrabromobenzoate   |
| 50868-73-0           | 2-Methoxy-6-methylaniline   |
| -                    | Polycarbonates  |
| -                    | Polyvinyl Acetate (PVAC)  |
| -                    | Polychlorotrifluoroethylene (PCTFE)   |
| -                    | Rare Earth Elements   |
| 84-63-9              | Bis(4-methyl-2-pentyl) phthalate (BMPP)   |
| 605-54-9             | Bis(2-ethoxyethyl) phthalate (DEEP)   |
| 117-83-9             | Bis(2-butoxyethyl) phthalate (DBEP)   |
| 84-62-8              | Diphenyl phthalate (DPhP)   |
| 84-76-4              | Dinonyl phthalate (DNP)   |

**Appendix II**  
**Food Allergens and Food Sensitivity**

| CAS no.      | Substance   |
|--------------|---|
| -            | Abalone   |
| -            | Abalone and products  |
| -            | Anise   |
| -            | Apples and Products Thereof   |
| -            | Autolyzed Yeast/Yeast Extracts  |
| -            | Azo colors  |
| -            | Banana  |
| -            | Barley  |
| -            | Bee Pollen, Royal jelly   |
| -            | Beefs and Products Thereof  |
| -            | Beet sugar  |
| -            | Benzoic acid  |
| -            | Buckwheat and Products Thereof  |
| -            | Butylated hydroxyanisole (BHA)  |
| -            | Butylated hydroxytoluene(BHT)   |
| -            | Carrot  |
| 1462343-28-7 | Cashew, nutshell liq., polymer with formaldehyde, reaction products with diethanolamine and diisopropanolamine  |
| -            | Celery and Products Thereof   |
| -            | Cereals containing gluten and Products Thereof  |
| -            | Chicken and Products Thereof  |
| -            | Chili   |
| -            | Chocolate and Products Thereof  |
| -            | Cinnamon  |
| -            | Clustacean and Products Thereof   |
| -            | Cochineal   |
| -            | Cocoa and products  |
| -            | Coriander   |
| -            | Corn and Products Thereof   |
| -            | Crab  |
| -            | Dairy and Products Thereof  |
| -            | Egg and Products Thereof  |
| -            | FD&C Yellow No.5 (Tartrazine)   |
| -            | FD&C Yellow No.6 (Sunset Yellow)  |
| -            | Fish and Products Thereof   |
| -            | Garlic  |
| -            | Gelatin and Products Thereof  |
| -            | Glutamate   |
| -            | Grains: Rye, Barley, Malt, Oat  |
| -            | Kiwifruits and Products Thereof   |
| -            | Legumes and products  |
| -            | Lupin and Products Thereof  |
| -            | Mackerel and products   |
| -            | Maize and products  |
| 142-47-2     | Matsutake mushroom  |
| -            | Milk and products thereof (including lactose)   |
| -            | Mollusca  |
| -            | MSG (Monosodium Glutamate)  |
| -            | Mushroom and products   |
| -            | Mustard and products  |
| -            | Natural colors  |
| -            | Nuts i. e. Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoensis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia) and products thereof |
| -            | Onion   |
| -            | Orange, Orange yellow   |
| -            | Paraben   |
| -            | Peach and products  |
| -            | Peanuts and products  |
| -            | Pepper  |
| -            | Pods and products   |
| -            | Pork and Products   |
| -            | Preservation (Benzoate, Sorbate)  |
| -            | Propolis  |
| -            | Psyllium Fibre  |
| -            | Rice  |
| -            | Royal jelly presented as food   |
| -            | Salmon  |
| -            | Salmon and products   |
| -            | Seeds and products (tofu, soy powder, protein, oil, lecithin)   |
| -            | Sesame seeds and products   |
| -            | Shellfish   |
| -            | Shrimp  |
| -            | Soybeans and products thereof   |
| -            | Squid   |
| -            | Sulfites (>10 mg/kg) includes sulfur dioxide, Sodium Dithionite, Sodium and Potassium Sulfit/ Bisulfite/ Metabisulfite  |
| -            | Tamato and products   |
| -            | Tartrazine / FD&C Yellow #5 (E102)  |
| -            | Things  |
| -            | Tree nuts (almond, beechnuts, brazil nuts and nutmeg cashews, chestnuts, coconuts, cashew, hazelnuts, macadamia, pecan, pine nuts, pistachio, walnuts, hickory, hazelnuts/filberts)   |
| -            | Umbelliferae and products   |
| -            | Vanilla   |
| -            | Wheat and products  |
| -            | Yam and products  |

**Appendix III**  
**Bisphenol Group**

| <b>CAS no.</b> | <b>Substance</b>                     |
|----------------|--------------------------------------|
| 80-05-7        | Bisphenol A (BPA)                    |
| 1571-75-1      | Bisphenol AP                         |
| 1478-61-1      | Bisphenol AF                         |
| 1675-54-3      | Bisphenol A diglycidylether (BADGE)  |
| 77-40-7        | Bisphenol B                          |
| 1844-01-5      | Bisphenol BP                         |
| 79-97-0        | Bisphenol C                          |
| 14868-03-2     | Bisphenol C 2                        |
| 66328          | Bisphenol E                          |
| 620-92-8       | Bisphenol F                          |
| 39817-09-9     | Bisphenol F diglycidyl ether (BFDGE) |
| 127-54-8       | Bisphenol G                          |
| 13595-25-0     | Bisphenol M                          |
| 80-09-1        | Bisphenol S (BPS)                    |
| 2167-51-3      | Bisphenol P                          |
| 24038-68-4     | Bisphenol PH                         |
| 129188-99-4    | Bisphenol TMC                        |
| 843-55-0       | Bisphenol Z                          |
| 5329-21-5      | Dinitrobisphenol A                   |
| 79-94-7        | Tetrabromobisphenol A                |

**Appendix IV**  
**Polycyclic Aromatic Hydrocarbon(PAHs)**

| CAS no.    | Substance                        |
|------------|----------------------------------|
| 208-96-8   | Acenaphthylene                   |
| 201-06-9   | Acephenanthrylene                |
| 260-94-6   | Acridine                         |
|            | Anthanthrene                     |
| 120-12-7   | Anthracene                       |
| 84-65-1    | 9,10-Anthracenedione             |
| 90-44-8    | 9(10H)-Anthracenone              |
|            | Anthraquinone                    |
|            | Anthrone                         |
| 205-99-2   | Benz[e]acephenanthrylene         |
| 225-51-4   | Benz[c]acridine                  |
| 56-55-3    | Benz[a]anthracene                |
| 82-05-3    | 7H-Benz[de]anthracen-7-one       |
|            | Benzanthrone                     |
| 214-17-5   | Benzo[b]chrysene                 |
| 194-69-4   | Benzo[c]chrysene                 |
| 196-78-1   | Benzo[g]chrysene                 |
| 230-17-1   | Benzo[c]cinnoline                |
|            | Benzo[a]dibenzothiophene         |
|            | Benzo[b]fluoranthene             |
| 203-12-3   | Benzo[ghi]fluoranthene           |
| 205-82-3   | Benzo[j]fluoranthene             |
| 207-08-9   | Benzo[k]fluoranthene             |
| 238-84-6   | 11H-Benzo[a]fluorene             |
| 243-17-4   | 11H-Benzo[b]fluorene             |
| 205-12-9   | 7H-Benzo[c]fluorene              |
| 196-79-2   | Benzo[h]naphtho [1,2-f]quinolene |
| 239-35-0   | Benzo[b]naphtho[2, 1-d]thiophene |
| 189-55-9   | Benzo[rst]pentaphene             |
| 191-24-2   | Benzo[ghi]perylene               |
| 195-19-7   | Benzo[c]phenanthrene             |
| 50-32-8    | Benzo[a]pyrene                   |
| 192-97-2   | Benzo[e]pyrene                   |
| 85-02-9    | Benzo[f]quinoline                |
| 230-27-3   | Benzo[h]quinoline                |
| 215-58-7   | Benzo[b]triphenylene             |
| 259-79-0   | Biphenylene                      |
| 86-74-8    | 9H-Carbazole                     |
| 218-01-9   | Chrysene                         |
| 191-07-1   | Coronene                         |
| 203-64-5   | 4H-Cyclopenta[def]phenanthrene   |
| 27208-37-3 | Cyclopenta[cd]pyrene             |
| 226-36-8   | Dibenz[a,h]acridine              |
| 224-42-0   | Dibenz[a,j]acridine              |
| 224-53-3   | Dibenz[c,h]acridine              |
|            | Dibenz[a,c]anthracene            |
| 53-07-3    | Dibenz[a,h]anthracene            |
| 224-41-9   | Dibenz[a,j]anthracene            |
| 207-84-1   | 7H-Dibenzo[a,g]carbazole         |
| 239-64-5   | 13H-Dibenzo[a,i]carbazole        |
| 194-59-2   | 7H-Dibenzo[c,g]carbazole         |
| 189-64-0   | Dibenzo[b,def]chrysene           |
| 191-26-4   | Dibenzo[def,mno]chrysene         |
| 191-30-0   | Dibenzo[def,p]chrysene           |

**Appendix IV**  
**Polycyclic Aromatic Hydrocarbon(PAHs)**

| CAS no.    | Substance                     |
|------------|-------------------------------|
|            | Dibenzo[b,h]phenanthrene      |
|            | Dibenzo[a,e]pyrene            |
|            | Dibenzo[a,h]pyrene            |
|            | Dibenzo[a,i]pyrene            |
|            | Dibenzo[a,l]pyrene            |
| 132-65-0   | Dibenzothiophene              |
| 206-44-0   | Fluoranthene                  |
| 86-73-7    | 9H-Fluorene                   |
| 484-25-9   | 9H-Fluoren-9-one              |
| 193-39-5   | Indeno[1,2,3-cd]pyrene        |
| 120-72-9   | 1H-Indole                     |
| 119-65-3   | Isoquinoline                  |
| 92-24-0    | Naphthacene                   |
| 91-20-3    | Naphthalene                   |
| 192-65-4   | Naphtho[1,2,3,4-def] chrysene |
| 224-98-6   | Naphtho[2,3-f]quinoline       |
| 222-93-5   | Pentaphene                    |
| 198-55-0   | Perylene                      |
| 203-80-5   | 1H-Phenylene                  |
|            | Phenanthraquinone             |
| 85-01-8    | Phenanthrene                  |
| 84-11-7    | 9,10-Phenanthrenedione        |
| 229-87-8   | Phenanthridine                |
| 66-71-7    | 1,10-Phenanthroline           |
| 30796-92-0 | Phenanthro[4,5-bcd]thiophene  |
| 92-82-0    | Phenazine                     |
|            | Phenazone                     |
| 213-46-7   | Picene                        |
| 129-00-0   | Pyrene                        |
| 91-22-5    | Quinoline                     |
| 217-59-4   | Triphenylene                  |
| 92-83-1    | 9H-Xanthene                   |