



Code 10060022 Ref 2

Date 26/3/2019

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Fuel oil 380

1	identification of the subst	ance or n	iixture and or the	Supplie			
1.1. Prod	uct name or GHS product identifier						
1.1.1. Co	ommon name :	Fuel oil 38	80				
1.1.2. Cl	nemical formula :						
1.1.3. Co	ommercial name :	Fuel oil 38	80				
1.1.4. C	AS number :	68476-33-	.5				
1.1.5. M	1.1.5. Molecular weight: N/A g/mol						
1.2. Othe	er product identifier :						
1.2.1. U	N Number :	1268					
1.2.2. A	nnex I, EU directive 67/948/EC :						
1.2.3. E	C number :	270-675-6					
1.3. Reco	ommendation for use and other prohibitions for use	'					
1.4. Mai	nufacturer or Supplier Details						
	anufacturer or Supplier	1.4.2. Add	lress				
	PTT Global Chemical Public Company Limited 8, I-8 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Mueang Rayong, Rayong 21150 Thailand.						
1.4.3. Te	elephone number :	66(0) 389	7-1000 ext. 1190,119	91			
1.5. Eme	rgency telephone number :	038-97119	91				
1.6. Othe	er information	'					
1.6.1. H	azardous substance		Yes	Z	No		
1.6.2. H	azardous category	N/A					
1.6.3. M	ax quantity storage	-					
1.6.4. U	ses						
Marine fu	uel oil						
1.6.5. O	ther						
N/A							





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2

Hazards identification

2.1. GHS classification of the substance/mixture and any national or regional information

2.1.1. Hazard classification according to the GHS

Flammable liquids - Category 1 Acute Toxicity: Oral - Category 5 Acute Toxicity: Inhalation - Category 4 Germ Cell Mutagenicity - Hazard category 2

Carcinogenicity - Hazard category 1 (Both 1A and 1B)'

Specific Target Organ Toxicity (Repeated Exposure) - Category 2

Aspiration Hazard - Hazard category 1 Aquatic Hazard (Acute) - Hazard category 1

2.2. GHS label elements, including precautionary statements

2.2.1. Chemical name : N/A

2.2.2. Product name or GHS product identifier: Fuel oil 380

2.2.3. Symbol and Hazard pictograms







2.2.4. Signal words:

Danger

2.2.5. Hazard statement

Extremely flammable liquidand vapour

May be harmful if swallowed

Harmful if inhaled

Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of
exposure if it is conclusively proven that no other routes of exposure cause the hazard)

May be fatal if swallowed and enters airways

Very toxic to aquatic life





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Hazards identification (cont.)

2.2.6.	Precautionary	information
--------	---------------	-------------

- Store in a tightly closed container
- Avoid contact with heat and ignition sources [and oxidizers] [- No Smoking]
- Store in a cool/low-temperature, well-ventilated [dry] place [away from heat and ignition sources]
- Do not let this chemical/product enter the environment
- Do not eat, drink or smoke during work
- Use only in well ventilated areas
- Wear protective clothing and gloves (specify protective clothing and type of gloves)

- In case of insufficient ventilation, wear suitable respiratory equipment									
2.2.7. Su	ipplemental information								
N/A	··								
2.3. Oth	er hazards which do not re	esult i	n cla	assification or are not co	vered	by the	e GHS		
N/A									
2.3.1. Pc	tential Chronic Health Effo	ects							
2.3.1.1.	2.3.1.1. Carcinogen effects								
•	Maybe-Carcinogen	0	Carcinogen O Non-Carcinogen O N/A				N/A		
2.3.1.2.	Mutagenic effects								
0	Mutagenic		0	Non-Mutagenic		•	N/A		
N/A									
2.3.1.3. Other information									
N/A									
2.4. Envi	2.4. Environmental Hazards								
N/A									





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Composition / information on ingredients 3.2. Mixture Impurities and stabilizing additive CAS Number NO General Name **UN Number** EC Number Composition Name Synonym % Weight Atmospheric 68476-33-270-675-Fuel oil 1 tower petroleum 100.00 380 6 residues





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First-aid measures

4.1. First-aid

4.1.1. Inhalation

If inhaled, remove to fresh air. Get medical attention

4.1.2. Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes whileremoving contaminated clothing and shoes. Drench contaminated clothing with water beforeremoving. This is necessary to avoid the risk of sparks from static electricity that could ignitecontaminated clothing. Contaminated clothing is a fire hazard. Contaminated leather.

4.1.3. Eyes contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelidsshould be held away from the eyeball to ensure thorough rinsing. Check for and remove anycontact lenses. Get medical attention.

4.1.4. Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Ifunconscious, place in recovery position and get medical attention immediately. Aspirationhazard if swallowed. Can enter lungs and cause damage. Get medical attention immediately.

- 4.2. Most important symptoms/effects
- 4.2.1. Acute Effects

N/A

4.2.2. Delayed effects

N/A

4.3. Indication of immediate medical attention

N/A

4.4. Special treatment needed, if necessary.

treatment by physician

4.5. Other

irritation to skin ,eye,





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5.1. Unsuitable extinguishing media : Do not use water jet.
5.2. Suitable extinguishing media : Use dry chemical, CO2, alcohol-resistant foam or water spray (fog).

5.3. Specific hazards arising from the chemical.

Decomposition products may include the following materials: carbon dioxide

5.4. Special protective equipment and precautions for fire-fighters.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

5.5. Precautions for fire fighters.

N/A

5.6. Other.

N/A

6

Accidental release measures

6.1. Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from

6.2. Protective equipment









6.3. Emergency procedures

6.3.1. Large Spill	6.3.2. Small Spill
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas.	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry

6.4. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental

6.5. Methods and materials for containment and cleaning up.

Dispose of via a

licensed waste disposal contractor.





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Handling and storage

7.1. Precautions for safe handling.

Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat,

- 7.2. Incompatibility.
 - 7.2.1. Safe storage condition.

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame) .

7.2.2. Incompatible chemicals condition.

Avoid all possible sources of ignition (spark or flame)

- 7.3. Storage area:
- 7.4. Incompatible chemicals condition.

N/A

- 7.5. Hazard Class by UN:
- 7.6. Classification:

8

Exposure controls/personal protection

8.1. Occupational exposure limit values or biological limit values

Name	TLV-TWA	TLV-STEL	TLV-C	PEL	IDLH	Thai	biological limit values	

8.2. Appropriate engineering controls

N/A

8.3. Personal protective equipment











8.4. Personal hygiene

Gloves, hardhat, face shield, boots, safety glasses, respirator

8.5. Other protection

n/a





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9.1. Appearance : Liquid Liquid. (Thick, oily liquid.) 9.2. Odour : Strong Petroleum Odor, A 9.3. Odour threshold limit : N/A ppm 9.4. pH-value : N/A 9.5. Melting point &Freezing point : Freezing point <30 °C Freezing point <30 °C Freezing point <30 °C Freezing point <30 °C Freezing point 160 °C Evaporation rate 160 °C − 500 °C P.7. Flash point : Scho °C (Close cup) 9.8. Evaporation rate : N/A mg/sec 9.9. Flammability (solid, gas) : Burning time N/A sec Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits : 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure : N/A kPa at - °C 9.12. Vapour density : Respect to air	9 Physica	l and chemical proper	ties				
9.3. Odour threshold limit : 9.4. pH-value : 9.5. Melting point &Freezing point : 9.6. Initial boiling point/Boiling range 8. Evaporation rate : 9.9. Flash point : 9.9. Flammability (solid, gas) : 9.9. Flammability (solid, gas) : 8. Evaporation rate : 9.9. Flammability (solid, gas) : 9.9. Flammability or explosive limits : 9.10. Upper/lower flammability or explosive limits : 9.11. Vapour pressure : 9.12. Vapour density : 9.13. Relative density : 9.14. Solubility(ies) : 9.15. Partition coefficient : n-octanol/water : 9.16. Auto-ignition temperature : 9.17. Decomposition temperature : 9.18. Viscosity : 9.19. Heat of Combustion : N/A °C 9.19. Heat of Combustion : N/A °C	9.1. Appearance :	Liquid Liquid. (Thick	k, oily liquid.)			
9.4. pH-value : 9.5. Melting point &Freezing point : 9.6. Initial boiling point/Boiling range 9.6. Initial boiling point/Boiling range 80 liling/condensation point 160 °C Evaporation rate 160 °C - 500 °C 9.7. Flash point : 9.8. Evaporation rate : N/A mg/sec 9.9. Flammability (solid, gas) : Burning time N/A sec Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits : 9.11. Vapour pressure : 9.12. Vapour density : 9.13. Relative density : 9.14. Solubility(ies) : N/A 9.15. Partition coefficient : n-octanol/water : N/A 9.16. Auto-ignition temperature : 9.17. Decomposition temperature : 9.18. Viscosity : 9.19. Heat of Combustion : N/A °C	9.2. Odour :	Strong Petroleum O	dor, A				
9.4. pH-value : 9.5. Melting point &Freezing point : 9.6. Initial boiling point/Boiling range 9.7. Flash point : 9.8. Evaporation rate : 9.9. Flammability (solid, gas) : 9.9. Flammability (solid, gas) : 80. Burning Rate N/A sec 80. Burning Rate N/A mm/sec 80. Burning Rate N/A m	9.3. Odour threshold limit :	N/A ppm					
Melting point &Freezing point: Soliting point &Freezing point Company	9.4. pH-value :						
9.5. Melting point &Freezing point : Freezing point		·		<30 °C			
Boiling/condensation point 160 °C Evaporation rate 160 °C 9.7. Flash point : >60 °C (Close cup) 9.8. Evaporation rate : N/A mg/sec 9.9. Flammability (solid, gas) : Burning time N/A sec 9.10. Upper/lower flammability or explosive limits : 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure : N/A kPa at - °C 9.12. Vapour density : Respect to air - kPa 9.13. Relative density : N/A g/cm3 or kg/m3 at 9.14. Solubility(ies) : N/A 9.15. Partition coefficient : n-octanol/water : N/A 9.16. Auto-ignition temperature : 250 °C 9.17. Decomposition temperature : N/A °C 9.19. Heat of Combustion : N/A °C	9.5. Melting point &Freezing point:						
Evaporation rate 9.7. Flash point: 9.8. Evaporation rate: N/A mg/sec Burning time N/A sec Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits: 9.11. Vapour pressure: 9.12. Vapour density: 9.13. Relative density: 9.14. Solubility(ies): N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: N/A 9.17. Decomposition temperature: N/A 9.18. Viscosity: 9.19. Heat of Combustion: N/A 9.19. Heat of Combustion: N/A 9.10. Close cup) N/A sec Burning time N/A sec N/A sec N/A kPa at - °C N/A kPa at - °C N/A g/cm3 or kg/m3 at N/A N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: N/A °C 9.18. Viscosity: N/A °C							
9.8. Evaporation rate : N/A mg/sec Burning time N/A sec Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits : 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure : N/A kPa at - °C 9.12. Vapour density : Respect to air - kPa 9.13. Relative density : N/A g/cm3 or kg/m3 at 9.14. Solubility(ies) : N/A 9.15. Partition coefficient : n-octanol/water : N/A 9.16. Auto-ignition temperature : 9.17. Decomposition temperature : N/A °C 9.19. Heat of Combustion : N/A °C	9.6. Initial boiling point/Boiling range	Evaporation rate	1	160 °C – 5	500 °C		
Burning time N/A sec Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits: 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure: N/A kPa at - °C 9.12. Vapour density: Respect to air - kPa 9.13. Relative density: N/A g/cm3 or kg/m3 at 9.14. Solubility(ies): N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: 250 °C 9.17. Decomposition temperature: N/A °C 9.18. Viscosity: >3 mm2/s @100C 9.19. Heat of Combustion: N/A °C	9.7. Flash point :	>60 °C (Close cup)	'				
9.9. Flammability (solid, gas): Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits: 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure: N/A kPa at - °C 9.12. Vapour density: Respect to air N/A g/cm3 or kg/m3 at 9.14. Solubility(ies): N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: 250 °C 9.17. Decomposition temperature: N/A °C 9.18. Viscosity: 9.19. Heat of Combustion: N/A °C	9.8. Evaporation rate :	N/A mg/sec	N/A mg/sec				
Burning Rate N/A mm/sec 9.10. Upper/lower flammability or explosive limits: 0.5 % LEL and/or 5 %UEL 9.11. Vapour pressure: N/A kPa at - °C 9.12. Vapour density: Respect to air N/A g/cm3 or kg/m3 at 9.14. Solubility(ies): N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: 9.17. Decomposition temperature: N/A °C 9.18. Viscosity: 9.19. Heat of Combustion: N/A °C		Burning time	Burning time N/A sec				
9.11. Vapour pressure : 9.12. Vapour density : 9.13. Relative density : 9.14. Solubility(ies) : 9.15. Partition coefficient : n-octanol/water : 9.16. Auto-ignition temperature : 9.17. Decomposition temperature : 9.18. Viscosity : 9.19. Heat of Combustion : N/A kPa at - °C Respect to air - kPa - kPa - kPa 9.18. Viscosity : N/A g/cm3 or kg/m3 at N/A N/A N/A N/A N/A Solubility(ies) : N/A N/A N/A Solubility(ies) : N/A °C 9.19. Heat of Combustion : N/A °C	9.9. Flammability (solid, gas) :	Burning Rate	Burning Rate N/A mm/sec				
9.12. Vapour density: 9.13. Relative density: 9.14. Solubility(ies): 9.15. Partition coefficient: n-octanol/water: 9.16. Auto-ignition temperature: 9.17. Decomposition temperature: 9.18. Viscosity: 9.19. Heat of Combustion: Respect to air N/A g/cm3 or kg/m3 at N/A N/A N/A N/A N/A Solubility(ies): N/A N/A N/A Solubility(ies): N/A N/A N/A N/A N/A N/A N/A N/	9.10. Upper/lower flammability or explosive limits :	0.5 % LEL and/or 5	0.5 % LEL and/or 5 %UEL				
9.13. Relative density: 9.14. Solubility(ies): N/A 9.15. Partition coefficient: n-octanol/water: N/A 9.16. Auto-ignition temperature: 9.17. Decomposition temperature: N/A °C 9.18. Viscosity: 9.19. Heat of Combustion: N/A °C	9.11. Vapour pressure :	N/A kPa at - °C	N/A kPa at - °C				
9.14. Solubility(ies): 9.15. Partition coefficient: n-octanol/water: 9.16. Auto-ignition temperature: 9.17. Decomposition temperature: 9.18. Viscosity: 9.19. Heat of Combustion: N/A °C	9.12. Vapour density :	Respect to air	· · · · · · · · · · · · · · · · · · ·				
9.15. Partition coefficient: n-octanol/water: 9.16. Auto-ignition temperature: 9.17. Decomposition temperature: 9.18. Viscosity: 9.19. Heat of Combustion: N/A N/A N/A N/A N/A N/A N/A N/	9.13. Relative density :	N/A g/cm3 or kg/m3	3 at				
9.16. Auto-ignition temperature : 9.17. Decomposition temperature : 9.18. Viscosity : 9.19. Heat of Combustion : N/A °C N/A °C	9.14. Solubility(ies):	N/A					
9.17. Decomposition temperature : N/A °C 9.18. Viscosity : >3 mm2/s @100C 9.19. Heat of Combustion : N/A °C	9.15. Partition coefficient : n-octanol/water :	N/A					
9.18. Viscosity : >3 mm2/s @100C 9.19. Heat of Combustion : N/A °C	9.16. Auto-ignition temperature :	250 °C					
9.19. Heat of Combustion : N/A °C	9.17. Decomposition temperature :	•					
	9.18. Viscosity:	>3 mm2/s @100C					
	9.19. Heat of Combustion:	N/A °C					
9.20. The ignition distance test: N/A cm	9.20. The ignition distance test:	N/A cm					
9.21. The enclosed space ignition test N/A s/m ³	9.21. The enclosed space ignition test	N/A s/m ³					
Vapor density N/A cm	0.22. The form test i	Vapor density	Vapor density			cm	
9.22. The foam test : Flames burning up N/A sec	9.22. The roam test :	Flames burning up			N/A	sec	

D	Type of Substance			
Detail	Other substance	Powders or dusts	Unit	
Use water spray to blanket fire, cool fire exposed containers, to stop leak, and burn	N/A	-	minute	
Burning time	N/A	-	sec	
Burning rate	N/A	-	mm/s	



11.4.3. Acute toxic of the vapour:

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	GL		Fu	el oil	380				Date Page	26/3/2019 9/13	
10 Stability and reactivity											
10.1. I	Reactivity										
N/A											
10.2. Chemical Stability :											
•	Stability	0	Instability	and emit ga	as			0	N/A		
10.3. I	0.3. Possibility of Hazardous reaction: N/A										
10.4. Conditions to avoid :											
Heat a	and open flame										
	Incompatible materials										
Strong	acids, alkalis, and str	ong oxidiz	ers.								
10.6. I	Hazardous decomposit	ion produ	cts :			g or excessive hea	ting ma	y produc	e carbor	n monoxide	
and other harmful 10.7. Corrosively: N/A											
11 Toxicological information											
11.1.	Route of Exposure	☑ Inhal	ation 💆	Ingestion	Ø	Skin contact	Į.	∄ Eye c	ontact		
11.2. Symptoms related to the physical, chemical and toxicological characteristics											
11.2.	1. Symptom related wi	th physica	al characteri	stic							
May contain compounds reported to cause skin irritation and have toxic effects towards liver, kidneys and central nervous system											
11.2.2. Symptom rerated with chemical characteristic											
N/A											
11.2.3. Symptom related with toxicology											
N/A											
	e impact of acute and ed, immediate and chro	•	•	d immediate	e effects)	including chronic (chronic	effects)	exposur	e (Contact	
long to	erm chronic may be to	xic									
11.4.	Numerical measures of	f toxicity									
	1. Acute oral toxicity:					al - rat :>5,000 mg					
11.4.2	11.4.2. Acute dermal toxicity:				LD50 Dermal - rabbit :>2,000 mg/kg						

LC50 Inhalation - rat : 4.1 mg/l 4h





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12	Ecological information				
12.1. Eco toxicity (aquatic and terrestrial, wh	nere available)				
12.1.1. Toxicity to fish:	Fish: NOEL: 0,1 mg/l 28 days				
12.1.2. Crustaceans / Toxicity to crustaceans	s: Crustacea (Daphnia magna)EC50: 2 mg/l, 48 hours				
12.1.3. Algae / Toxicity to algae :	Algae (Selenastrum capricornutum) ErC50: 0.75 mg/l,				
12.2. Degradability and persistence					
Do not degrade quickly					
12.3. Bio-accumulative potential :	N/A				
12.4. Mobility in soil :	N/A				
12.5. Other adverse effects :					
N/A					

N/A

13	Disposal considerations
13.1. Waste information :	N/A
13.2. Remain materials :	N/A
13.3. Waste disposal :	Removal to comply with local government regulations and local requirements.
13.4. Package contaminated disposal :	Disposal of containers is subject to local government and local regulations.

14	Transport information	
14.1. UN Number :	1268	Pictogram
14.2. UN Proper Shipping Name :	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	
14.3. Transport Class/Division:	3	FLAMMABLE LIQUID
14.4. Package group (if any) :	Ш	
14.5. Marine pollution :		
14.6. Special precautionary for user :	N/A	
14.7. Transport in bulk :	N/A	
14.8. Classification code :	F1	
14.9. Other :	'	
N/A		





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Regulatory information

15.1. Safety, health and environmental regulations

16	Regulatory information						
16.1. Date of latest issue 26/3/2019							
16.2. Description of point of Safety Data Sheet changing							

16.3. Abbreviation explanation

_

	NFPA Hazard Code	HMIS Hazard	Rating System	
	Health hazard 2 0 Possibility of hazardous reactions Specific hazards arising from the chemical	2 Health	0 = No hazard 1 = Slight hazard	
		2 Flammability		
		0 Reactivity	2 = Moderate hazard 3 = Serious hazard	
			4 = Severe hazard	

16.4. Information Safety Data Sheet files

Primary Reference : Secondary Reference :

16.5. Local Legislation Related

HAZARDOUS SUBSTANCE ACT B.E. 2535

16.6. Reference

16.7. Other details

Fuel oil 380

NFPA Rating









038-971191

UN Number: 1268 **CAS Number:** 68476-33-5

Flash point: >60°C Auto-ignition: 250°C

TWA-TLV: Classification: F1

Hazard Statement



Health Effects

Fatal if swallowed, Toxic if swallowed, Harmful if swallowed, May be harmful if swallowed, Fatal in contact with skin, Toxic in contact with skin, Harmful in contact with skin, May be harmful in contact with skin, Fatal if inhaled, Toxic if inhaled, Harmful if inhaled, May be harmful if inhaled, Causes severe skin burns and eye damage, Causes skin irritation, Causes mild skin irritation, Causes serious eye damage, Causes serious eye irritation, May cause allergy or asthmat

Protective equipment

Protective clothing must be worn, Use hand protection in this area, Wear eye protection where appropriate, Respirators must be used where appropriate, Face masks must be used where appropriate













first aid

If inhaled, remove to fresh air. Get medical attention, In case of contact, immediately flush skin with plenty of water for at least 15 minutes whileremoving contaminated clothing and shoes. Drench contaminated clothing with water beforeremoving. This is necessary to avoid the risk of sparks from static electricity that could ignitecontaminated clothing. Contaminated clothing is a fire hazard. Contaminated leather., In case of contact, immediately flush eyes with plenty of water for at least 15



Unsuitable extinguishing media

Use dry chemical, CO2, alcohol-resistant foam or water spray (fog) ., Do not use water jet.



Hazardous Materials Handling and Storage

Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat,, Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame) ., Avoid all possible sources of ignition (spark or flame), N/A, Gloves, hardhat, face shield, boots, safety glasses, respirator, n/a



Methods and materials for containment and cleaning up

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from, Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas., Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert day. Avoid d

For more information please contact:

Code No. 10060022 Warning:

Number of Revision:

66(0) 3897-1000 ext. 1190,1191

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Fuel oil 380

UN No: 1268 CAS No: 68476-33-5







Signal words: Danger

Hazard statement:

,,(),(),(



First Aid:

If inhaled, remove to fresh air. Get medical attention, In case of contact, immediately flush skin with plenty of water for at least 15 minutes whileremoving contaminated clothing and shoes. Drench contaminated clothing with water beforeremoving. This is necessary to avoid the risk of sparks from static electricity that could ignitecontaminated clothing. Contaminated clothing is a fire hazard. Contaminated leather., In case of contact, immediately flush eyes with plenty of water for at least 15

Precautionary information:

- Store in a tightly closed container
- Avoid contact with heat and ignition sources [and oxidizers] [— No Smoking]
- Store in a cool/low-temperature, well-ventilated [dry] place [away from heat and ignition sources]
- Do not let this chemical/product enter the environment
- Do not eat, drink or smoke during work
- Use only in well ventilated areas
- Wear protective clothing and gloves (specify protective clothing and type of gloves)
- In case of insufficient ventilation, wear suitable respiratory equipment

Emergency number:

038-971191

Protective equipment



Manufacturer or Supplier Details

Company: PTT Global Chemical Public Company Limited

Address: 8, I-8 Road, Map Ta Phut Industrial Estate, Map Ta Phut, Mueang Rayong, Rayong 21150 Thailand.

Telephone number: 66(0) 3897-1000 ext. 1190,1191