

SECTION 1: IDENTIFICATION

SECT	ION I. IDENTIFICATION	
1.1	GHS Product identifier:	UNITED HYDRO 200 SAE 15W40 API CF4/SG
	Other means of identification:	
	Non-applicable	
1.2	Recommended use of the chemical	and restrictions on use:
	Relevant uses: Lubricant	
	Uses advised against: All uses not specif	ied in this section or in section 7.3
1.3	Manufacturer's or supplier's details	8:
1.4	UNITED OIL COMPANY PTE LTD 14 Tuas Drive 2, Singapore 638647 638647 Singapore - Singapore - Singapor Phone.: +65 6861 1157 - Fax: +65 6861 enquiry@united-oil.com http://www.united-oil.com/default.aspx? Emergency phone number: +65 686	1 3101 Puc=14
SECT	TION 2: HAZARDS IDENTIFICATION	

- 2.1 Classification of the substance or mixture: SS 586:Part 2:2014: The product is not classified as dangerous according to SS 586 : Part 2 : 2014
 2.2 GHS label elements, including precautionary statements:
 - **SS 586:Part 2:2014:** None
- 2.3 Other hazards which do not result in classification: Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Mixture based on hydrocarbons and additives

Components:

In accordance with SS 586:Part 3:2008 (2014), the product contains:

	Identification	Chemical name/Classification	Concentration	
CAS:	64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic , < 3 % IP 346, > 20,5 cSt @ 40°C	75 - <100 %	
CAS:	64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C) Asp. Tox. 1: H304 - Danger	<1 %	
To obtain more information on the hazards of the substances consult sections 11, 12 and 16.				

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. **By inhalation:**

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.



SECTION 4: FIRST-AID MEASURES (continued)

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet **By eye contact:**

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective actions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:



SECTION 7: HANDLING AND STORAGE (continued)

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

 Minimum Temp.:
 5 °C

 Maximum Temp.:
 30 °C

Maximum time: 6 Months B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters/Occupational exposure limits:

Substances whose occupational exposure limits have to be monitored in the workplace:

There are no Permissible exposure levels for the substances contained in the product

8.2 Appropriate engineering control measures:

A.- Individual protection measures, such as personal protective equipment (PPE)

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using chemical protection gloves

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Ocular and facial protection

Pictogram	PPE	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer 's instructions. Use if there is a risk of splashing.

Safety data sheet According to SS 586:Part 3:2008 (2014)



UNITED HYDRO 200 SAE 15W40 API CF4/SG

E Bodily protection	n			
Pictogram	PPE			Remarks
	Work clothi	ng	Replace befo	ore any evidence of deterioration.
	Anti-slip work	shoes	Replace befo	ore any evidence of deterioration.
F Additional emerge	gency measures			
Emergency m	leasure S	Standards	Emergency measur	e Standards
		VSI Z358-1	• +	DIN 12 899
	ISO 3864-1:20	011, ISO 3864-4:2011		ISO 3864-1:2011, ISO 3864-4:2011
Emergency s			Eyewash stations	
Environmental ex	-			
	the community legislation product and its container.			recommended to avoid environmental
	product and its container.			7.1.0
TION 9: PHYSICAL	AND CHEMICAL PRO	PERTIES		
Information on ba	asic physical and chem	ical properties:		
For complete inform	nation see the product dat	tasheet.		
Appearance:				
Physical state at 20	°C:	Liquid		
Appearance:		Not ava		
		Not art	liable	
Color:		Not ava		
Color: Odor:			ilable	
		Not ava Not ava	ilable	
Odor:		Not ava Not ava	ilable	
Odor: Odour threshold:	ospheric pressure:	Not ava Not ava Non-ap	ilable	
Odor: Odour threshold: Volatility:		Not ava Not ava Non-ap Non-ap	nilable nilable plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm	20 °C:	Not ava Not ava Non-ap Non-ap Non-ap	ilable ilable plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at	20 °C: 50 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap	iilable iilable plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at	20 °C: 50 °C: 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap	ailable ailable plicable * plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at	20 °C: 50 °C: 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap	hilable hilable plicable * plicable * plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description	20 °C: 50 °C: 20 °C: on:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap	hilable hilable plicable * plicable * plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C:	20 °C: 50 °C: 20 °C: on: 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866	hilable hilable plicable * plicable * plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 2	20 °C: 50 °C: 20 °C: on: 20 °C: t 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866 Non-ap	ailable ailable plicable * plicable * plicable * plicable * plicable * g/m ³	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description Density at 20 °C: Relative density at 22 Dynamic viscosity at	20 °C: 50 °C: 20 °C: on: 20 °C: t 20 °C: at 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866 Non-ap	ailable ailable plicable * plicable * plicable * plicable * plicable * g/m ³ plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 2 Dynamic viscosity at Kinematic viscosity at	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866 Non-ap Non-ap	ailable ailable plicable * plicable * plicable * plicable * plicable * g/m ³ plicable * plicable * cSt	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 2 Dynamic viscosity at Kinematic viscosity at	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866 Non-ap Non-ap ~120.6 ~15.42	ailable ailable plicable * plicable * plicable * plicable * plicable * g/m ³ plicable * plicable * cSt	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 2 Dynamic viscosity at Kinematic viscosity at Kinematic viscosity at	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap 865.6 k 0.866 Non-ap Non-ap ~120.6 ~15.42 Non-ap	hilable hilable plicable * plicable * plicable * plicable * plicable * g/m ³ plicable * plicable * cSt cSt	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 2 Dynamic viscosity at Kinematic viscosity at Kinematic viscosity at Kinematic viscosity at	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C: at 100 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap	ailable ailable plicable * plicable * plicable * plicable * plicable * plicable * plicable * cSt cSt plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 22 Dynamic viscosity at Kinematic viscosity at Kinematic viscosity at Kinematic viscosity at Concentration: pH: Vapour density at 22	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C: at 100 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap ~120.6 ~15.42 Non-ap Non-ap Non-ap	ailable ailable plicable * plicable * plicable * plicable * plicable * plicable * plicable * cSt cSt plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 22 Dynamic viscosity at Kinematic viscosity at Kinematic viscosity at Kinematic viscosity at Concentration: pH: Vapour density at 22	20 °C: 50 °C: 20 °C: t 20 °C: at 20 °C: at 20 °C: at 40 °C: at 100 °C: 0 °C: n-octanol/water 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap ~120.6 ~15.42 Non-ap Non-ap Non-ap	hilable hilable plicable * plicable * plicable * plicable * plicable * plicable * plicable * plicable * cSt cSt plicable * plicable * plicable *	
Odor: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product descriptio Density at 20 °C: Relative density at 22 Dynamic viscosity at Kinematic viscosity at Kinematic viscosity at Kinematic viscosity at Concentration: pH: Vapour density at 20 Partition coefficient	20 °C: 50 °C: 20 °C: t 20 °C: t 20 °C: at 20 °C: at 40 °C: at 100 °C: 0 °C: n-octanol/water 20 °C: t 20 °C:	Not ava Not ava Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap Non-ap ~120.6 ~15.42 Non-ap Non-ap Non-ap Non-ap	hilable hilable plicable * plicable * plicable * plicable * plicable * plicable * plicable * plicable * cSt cSt plicable * plicable * plicable *	



SECTION 9: PHYSICAL AND CHEMICA	_ PROPERTIES (continued)	
Decomposition temperature:	Non-applicable *	
Melting point/freezing point:	Non-applicable *	
Explosive properties:	Non-applicable *	
Oxidising properties:	Non-applicable *	
Flammability:		
Flash Point:	>200 °C	
Heat of combustion:	Non-applicable *	
Flammability (solid, gas):	Non-applicable *	
Autoignition temperature:	Non-applicable *	
Lower flammability limit:	Non-applicable *	
Upper flammability limit:	Non-applicable *	
Explosive:		
Lower explosive limit:	Non-applicable *	
Upper explosive limit:	Non-applicable *	
9.2 Other information:		
Surface tension at 20 °C:	Non-applicable *	
Refraction index:	Non-applicable *	
*Not relevant due to the nature of the product	, not providing information property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids		Water	Oxidising materials	Combustible materials	Others
Avoid strong	g acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure: A- Ingestion (acute effect):



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.

- Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

IARC: Distillates (petroleum), hydrotreated heavy paraffinic , < 3 % IP 346, > 20,5 cSt @ 40°C (3); Distillates (petroleum), solvent-dewaxed light paraffinic , < 3 % IP 346 (3); Distillates (petroleum), solvent-refined light paraffinic , < 3 % IP 346, > 20,5 cSt @ 40°C (3); Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C, < 20.5 cSt 40°C (3); Propene (3)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.

- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acu	te toxicity	Genus
Distillates (petroleum), hydrotreated heavy paraffinic , < 3 % IP 346, > 20,5 cSt @ 40°C	LD50 oral	>5000 mg/kg	
CAS: 64742-54-7	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L (4 h)	
Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO ($>$ 7 cSt 40°C, < 20.5 cSt 40°C)	LD50 oral	>5000 mg/kg	
CAS: 64742-65-0	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

	ATE mix	
Oral	>5000 mg/kg (Calculation method)	Non-applicable

Revised: 23/2/2021

Safety data sheet According to SS 586:Part 3:2008 (2014)



UNITED HYDRO 200 SAE 15W40 API CF4/SG

SECT	TION 11: TOXICOLOGICAL INFO	RMATION (continued)					
	Dermal	>5000 mg/kg (Calculation method)	Non-applicable				
	Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable				
SECT	TION 12: ECOLOGICAL INFORM	ATION					
The e	experimental information related to the	e eco-toxicological properties of the product itself is	s not available				
	Toxicity:						
	Not available						
12.2	Persistence and degradability:						
	Not available						
12.3	Bioaccumulative potential:						
	Not available						
12.4	Mobility in soil:						
	Not available						
12.5	Results of PBT and vPvB assess	Results of PBT and vPvB assessment:					
	Non-applicable						
12.6	Other adverse effects:						
	Not described						

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

Environmental Public Health (Toxic Industrial Waste) Regulations. Hazardous Waste (Control of Export, Import and Transit) Act.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to SS 586-1 (2014):

14.1	UN number:	Non-applicable			
14.2	UN proper shipping name:	Non-applicable			
14.3	Transport hazard class(es):	Non-applicable			
	Labels:	Non-applicable			
14.4	Packing group, if applicable:	Non-applicable			
14.5	Environmental hazard:	No			
14.6	Special precautions for user				
	Physico-Chemical properties:	see section 9			
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Non-applicable			
Transpo	rt of dangerous goods by sea:				
With rega	With regard to IMDG 39-18:				



SECTION 14: TRANSPORT INFORMATION (continued)		
14.2	UN number: UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable Non-applicable
14.4	Packing group, if applicable:	Non-applicable
14.5		No
14.6	Special precautions for user Special regulations:	Non-applicable
	EmS Codes: Physico-Chemical properties: Limited quantities: Segregation group:	see section 9 Non-applicable Non-applicable
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Non-applicable
Transpo	rt of dangerous goods by air:	
With rega	ard to IATA/ICAO 2021:	
14.2	UN number: UN proper shipping name: Transport hazard class(es): Labels:	Non-applicable Non-applicable Non-applicable Non-applicable
14.4	Packing group, if applicable:	Non-applicable
14.5	Environmental hazard:	No
14.6	Special precautions for user Physico-Chemical properties:	see section 9
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Environmental Protection and Management (Hazardous Substances) Regulations. Environmental Protection and Management Act. Environmental Public Health Act. Fire Safety Act. Workplace Safety and Health Act. Workplace Safety and Health (General Provisions) Regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with SS 586Part 3:2008 (2014) - Specification for hazard communication for hazardous chemicals and dangerous goods - Part 3 : Preparation of safety data sheets (SDS).

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

SS 586:Part 2:2014:

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Advice related to training:



SECTION 16: OTHER INFORMATION (continued) Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.
Principal bibliographical sources:
http://www.nea.gov.sg
Abbreviations and acronyms:
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.