# SAFETY DATA SHEET

(SOLAS regulation VI/5-1 format)





### **Section 1. Identification**

Product name : ExxonMobil Premium HDME 50™

Product description : Hydrocarbons and Additives

Other means of identification

: Not available.

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Fuel, Fuel oil

Uses advised against : This product is not recommended for any industrial, professional or consumer use

other than the Identified Uses above.

MARPOL Annex I Category : Fuel and residual oils, including ship's bunkers

See Section 14 for transportation information related to the Bill of Lading, other shipping documents

**Supplier**: ExxonMobil Marine Fuels

**ERMYN HOUSE** 

MAILPOINT 31, ERMYN WAY

LEATHERHEAD KT22 8UX United Kingdom

**Supplier General Contact** : (+44) (0) 23 8089 1558

E-Mail : MarineFuels@contactexxonmobil.com

**Local Emergency telephone** 

number

: Belgium: +(32)-28083237 (CHEMTREC)

China: 400 120 4937

France: +(33)-975181407 (CHEMTREC)

Germany: 0800 181 7059 or +(49)-69643508409 (CHEMTREC)

Hong Kong: 800-968-793 India: 000-800-100-7141

Italy: 0800 789767 (in country) or +(39)-0245557031 (CHEMTREC)

Japan: 0800-300-5842 Malaysia: 1-800-815-308

Netherlands: +(31)-858880596 (CHEMTREC)

Republic of Korea: 080-880-0468

Singapore: 800-101-2201

Spain: 900 868538 or +(34)-931768545 (CHEMTREC)

Thailand: 001-800-13-203-9987 United Kingdom: +44 20 3807 3798

United States: (800) 424-9300 or (703) 527-3887 (CHEMTREC)

This (M)SDS is a generic document with no country specific information included.

# Section 2. Hazard identification

This material is hazardous according to UN GHS Criteria. Classification includes all GHS hazard classes. For hazard categories with two cut-off/concentration limits, classification was based on the higher limit.

Classification of the substance or mixture

: ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 1B

REPRODUCTIVE TOXICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

### **GHS** label elements

## Section 2. Hazard identification

**Hazard pictograms** 







Signal word : Danger

**Hazard statements** : H332 - Harmful if inhaled.

H350 - May cause cancer.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

(blood, liver, thymus)

H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention** : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe vapour.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection,

or hearing protection.

: P304 + P312, P340 - IF INHALED: Call a POISON CENTER or doctor if you feel Response

> unwell. Remove person to fresh air and keep comfortable for breathing. P308 + P313 - IF exposed or concerned: Get medical advice or attention.

P391 - Collect spillage.

**Storage** : P405 - Store locked up.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

**Contains** : gas oils (petroleum), heavy vacuum

Other hazards which do not : None known.

result in classification

Nota : This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure

may cause potential human health risks which may vary from person to person.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% by weight	CAS number
gas oils (petroleum), heavy vacuum	>74	64741-57-7
naphthalene	≥1 - ≤2.5	91-20-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Nota:

Hydrogen sulfide (H2S) may be present in the material in trace quantities (by weight) and, when present, may accumulate to toxic or flammable concentrations in enclosed spaces such as tanks or tanker/railcar headspaces.

### Section 4. First-aid measures

### **Description of necessary first aid measures**

**Eye contact** 

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

Remove contaminated clothing. Dry wipe exposed skin and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further skin contact to yourself or others. Wear impervious gloves. Launder contaminated clothing separately before reuse. Discard contaminated articles that cannot be laundered. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. Continue to rinse for at least 10 minutes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Get medical attention.

### Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

**Eye contact**: No known significant effects or critical hazards.

Inhalation : Harmful if inhaled.

Skin contactIngestionNo known significant effects or critical hazards.No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Eye contact** : No specific data.

Inhalation : Respiratory and eye irritation, coughing, a sensation of dryness and pain in the

nose, and loss of consciousness.

Skin contact : Local necrosis as evidenced by delayed onset of pain and tissue damage a few

hours after injection.

Ingestion : No specific data.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

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### Section 4. First-aid measures

### **Protection of first-aiders**

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

### Section 6. Accidental release measures

### **NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### **Environmental precautions**

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and material for containment and cleaning up

Small spill

: 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 material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Warn other shipping. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

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For non-emergency personnel

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# Section 7. Handling and storage

### Precautions for safe handling

### **Protective measures**

: Thermal burn hazard - contact with hot material may cause thermal burns. Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Harmful amounts of H2S may be present. Avoid breathing vapours, spray or mists. The toxic and olfactory (sense of smell) fatigue properties of hydrogen sulfide require that air monitoring alarms and respiratory protection be used where the concentration might be expected to reach a harmful level, such as in an enclosed space, heated transport vessel, or in a spill or leak situation. It is dangerous and/or unlawful to put petrol into unapproved containers. Do not fill container while it is in or on a vehicle. Static electricity may ignite vapour and cause fire. Place container on ground when filling and keep nozzle in contact with container. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers or other electronic devices, etc.) during safety critical tasks, such as bulk fuel loading or unloading operations, or in storage areas where vapours may be present, unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and/or local laws and regulations. For use as a motor fuel only. Do not siphon by mouth.

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Section 7. Handling and storage

### **Static Accumulator**

This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

# Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

### **Control parameters**

### **Occupational exposure limits**

Ingredient name	Exposure limits
gas oils (petroleum), heavy vacuum	ExxonMobil (Company). Absorbed through skin.
naphthalene	TWA: 0.1 mg/m³, (benzene solubles) 8 hours. Form: Total oil mist ACGIH TLV (United States, 1/2022). Absorbed through skin.
	TWA: 10 ppm 8 hours. TWA: 52 mg/m³ 8 hours.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

Hydrogen sulfide (H2S) may be present in the material in trace quantities (by weight) and, when present, may accumulate to toxic or flammable concentrations in enclosed spaces such as tanks or tanker/railcar headspaces. The ExxonMobil OEL for H2S is 5 ppm (8-hr TWA) and 10 ppm for 15 min STEL.

### **Biological exposure indices**

Ingredient name	Exposure indices	
	ACGIH BEI (United States, 1/2022)  BEI: Nonquantitative: Biological monitoring should be considered for this compound based on the review; however, a specific BEI® could not be determined due to insufficient data., 1-naphthol + 2-naphthol [(sample not specified)]. Sampling time: end of shift.	

# Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

# **Environmental exposure** controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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# Section 8. Exposure controls/personal protection

### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Face shield.

### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If product is hot, thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): Nitrile, minimum 0.38 mm thickness or comparable protective barrier material

### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If product is hot, thermally protective, chemical resistant apron and long sleeves are recommended.

### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### **Respiratory protection**

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Positive-pressure, air-supplied respirator in areas where H2S vapours may accumulate is recommended.

#### Thermal hazards

: If there is a risk of contact with a substantial volume of thermally hazardous material, personal protective equipment should be selected to provide protection against temperature-related injury.

# Section 9. Physical and chemical properties and safety characteristics

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

Physical state : Liquid. [Viscous]
Colour : Dark Brown

Odour : Petroleum/Solvent
Odour threshold : Not available.

pH : Not applicable.

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range

: >200°C (>392°F) [ASTM D86]

Flash point : Closed cup: >100°C (>212°F) [ASTM D-93]

Evaporation rate : Not available.

Flammability : Ignitable

Lower and upper explosion
Iimit/flammability limit : Lower: 1%
Upper: 6%

Vapour pressure : <1 mm Hg [20 °C]

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# Section 9. Physical and chemical properties and safety characteristics

Relative vapour density : Not available.

Relative density : <1

**Density** : 0.84 to 1.2 g/cm³ [15°C (59°F)] [ISO 12185]

Solubility in water : Negligible

Partition coefficient: n- : Not applicable.

octanol/water

Auto-ignition temperature : >250°C (>482°F) [ASTM E659]

**Decomposition temperature**: Not available.

**Viscosity** : >20.5 cSt [40 °C] [ISO 3104]

**Particle characteristics** 

Median particle size : Not applicable.

# Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : High energy sources of ignition. Excessive heat.

Incompatible materials : Halogens, Alkalies, Strong oxidisers, strong acids

Hazardous decomposition products

 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **Section 11. Toxicological information**

### Information on toxicological effects

### **Acute toxicity**

Product/ingredient name	Test	Species	Result	Duration
naphthalene	LC50 Inhalation Vapour LD50 Oral		>0.4 mg/l 533 mg/kg	4 hours

### **Conclusion/Summary**

Inhalation : Moderately toxic No end point data for material. Based on assessment of the components.

components.

Dermal : Minimally Toxic. No end point data for material. Based on assessment of the

components.

Oral : Minimally Toxic. No end point data for material. Based on assessment of the

components.

### Irritation/Corrosion

**Conclusion/Summary** 

**Skin**: May dry the skin leading to discomfort and dermatitis. No end point data for material.

Based on assessment of the components.

**Eyes** : May cause mild, short-lasting discomfort to eyes. No end point data for material.

Based on assessment of the components.

**Respiratory** : Negligible hazard at ambient/normal handling temperatures. No end point data for

material.

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# **Section 11. Toxicological information**

### **Sensitisation**

### Conclusion/Summary

Skin

- Not expected to be a skin sensitizer. No end point data for material. Based on
- Respiratory

**Mutagenicity** 

**Conclusion/Summary** 

- assessment of the components.
- : Not expected to be a respiratory sensitizer. No end point data for material.
- : Not expected to be a germ cell mutagen. No end point data for material. Based on assessment of the components.

### **Carcinogenicity**

**Conclusion/Summary** 

: May cause cancer. No end point data for material. Based on assessment of the components.

### **Classification**

Product/ingredient name	IARC
gas oils (petroleum), heavy vacuum	1
naphthalene	2B

### Reproductive toxicity

**Conclusion/Summary** 

: May damage the unborn child. No end point data for material. Based on assessment of the components.

### Specific target organ toxicity (single exposure)

**Conclusion/Summary** 

: Not expected to cause organ damage from a single exposure. No end point data for material.

### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Target organs
ExxonMobil Premium HDME 50™	Category 2	blood, liver, thymus

### **Conclusion/Summary**

: May cause damage to organs through prolonged or repeated exposure. No end point data for material. Based on assessment of the components.

### **Aspiration hazard**

Conclusion/Summary

: Not expected to be an aspiration hazard. Based on physico-chemical properties of the material. No end point data for material.

### Other information

**Contains** 

: HYDROGEN SULPHIDE: Chronic health effects due to repeated exposures to low levels of H2S have not been established. High level (700 ppm) acute exposure can result in sudden death. High concentrations will lead to cardiopulmonary arrest due to nervous system toxicity and pulmonary edema. Lower levels (150 ppm) may overwhelm sense of smell, eliminating warning of exposure. Symptoms of overexposure to H2S include headache, fatigue, insomnia, irritability, and gastrointestinal problems. Repeated exposures to approximately 25 ppm will irritate mucous membranes and the respiratory system and have been implicated in some eye damage. NAPHTHALENE: Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anemia, and cataracts. Naphthalene caused cancer in laboratory animal studies, but the relevance of these findings to humans is uncertain.

### **Product**

Residual fuel oil: Carcinogenic in animal tests. Caused mutations in-vitro. Dermal exposure to high concentrations resulted in maternal toxicity, decreased fetal weight and fetal survival, and some external fetal malformations. Dermal studies in animals: increased mortality, skin irritation, liver, kidney, thymus, bone marrow, blood and lymphoid tissue toxic effects. Possible allergen and photoallergen.

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# **Section 12. Ecological information**

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

### **Toxicity**

Product/ingredient name	Duration	Species	Result
ExxonMobil Premium HDME 50™	72 hours	Algae - Pseudokirchneriella subcapitata	Acute EL50 0.1 to 100 mg/l data for similar materials
	48 hours	daphnia - Daphnia magna	Acute EL50 1 to 1000 mg/l data for similar materials
	96 hours	Fish - Oncorhynchus mykiss	Acute LL50 10 to 1000 mg/l data for similar materials
	72 hours	Algae - Pseudokirchneriella subcapitata	Chronic NOEL <1 mg/l data for similar materials

### **Conclusion/Summary**

**Acute toxicity**: Very toxic to aquatic life.

**Chronic toxicity**: Very toxic to aquatic life with long lasting effects.

### Persistence and degradability

**Biodegradability** : Material -- Expected to be inherently biodegradable

### **Bioaccumulative potential**

**Conclusion/Summary** 

: Majority of components -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

### **Mobility in soil**

**Mobility** 

: Majority of components -- Expected to partition to sediment and wastewater solids. Low potential to migrate through soil. Low solubility and floats and is expected to migrate from water to the land.

### Other ecological information

Other adverse effects: No known significant effects or critical hazards.

**INTERNATIONAL OIL POLLUTION COMPENSATION (IOPC)** 

Material is considered a persistent oil.

# Section 13. Disposal considerations

### **Disposal methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF

# Section 13. Disposal considerations

IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

**MARPOL** 

: see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.

# **Section 14. Transport information**

	IMDG
UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (gas oils (petroleum), heavy vacuum)
Transport hazard class(es)	9
Label(s) / Mark(s)	
Packing group	III
Environmental hazards	Yes.

### **Additional information**

**IMDG** 

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Emergency schedules F-A, S-F Special provisions 274, 335, 969

Note - this material is being carried under the scope of MARPOL Annex I

# Section 15. Regulatory information

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### **Montreal Protocol**

Not listed.

### **Stockholm Convention on Persistent Organic Pollutants**

Not listed

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### **UNECE Aarhus Protocol on POPs and Heavy Metals**

List name	Ingredient name	Status
POPs - Annex 3	PAHs	Listed

### **Inventory list**

Australia inventory (AIIC)	: All components are listed or exempted.
Canada inventory (DSL-NDSL)	: All components are listed or exempted.
China inventory (IECSC)	: All components are listed or exempted.
Japan inventory (CSCL)	: All components are listed or exempted.

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# Section 15. Regulatory information

Japan inventory (Industrial Safety and

**Health Act)** 

: Not determined.

Not determined.

**New Zealand Inventory of Chemicals** 

(NZIoC)

**Philippines inventory (PICCS)** : All components are listed or exempted.

Korea inventory (KECI)

: All components are listed or exempted.

**Taiwan Chemical Substances Inventory** 

(TCSI)

: All components are listed or exempted.

**United States inventory (TSCA 8b)** 

: All components are active or exempted.

### Section 16. Other information

**History** 

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revision

: 29 September 2023

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Key to abbreviations

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

### Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
CARCINOGENICITY - Category 1B	Calculation method
REPRODUCTIVE TOXICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	Calculation method

References : Not available.

▼ Indicates information that has changed from previously issued version.

**Product code** : 1168481

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