# **SAFETY DATA SHEET**



# Section 1. Identification

GHS product identifier	: Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oil, SAE 15W-40
Synonyms	: Heavy duty motor oil
Material uses	: Engine oil
Code	: 625776002

Relevant identified uses of the substance or mixture and uses advised against Not applicable

INOL	app	licaple.	

Supplier's details :	CITGO Petroleum Corporation P.O. Box 4689 Houston, TX 77210 sdsvend@citgo.com
Emergency telephone : number (with hours of operation)	Technical Contact: (800) 248-4684 Medical Emergency: (832) 486-4700 CHEMTREC Emergency: (800) 424-9300 (United States Only)

# Section 2. Hazards identification

OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the	: Not classified.
substance or mixture	
GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
General	: Keep out of reach of children.
Prevention	: Do not get in eyes, on skin, or on clothing.
Response	: Wash with plenty of soap and water or use a recognized skin cleanser.
Storage	: Store in accordance with all local, regional, national and international regulations. Store in a dry place and a closed container. Empty containers may contain material residues which can ignite with explosive force. Misuse of empty containers can be dangerous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers can cause fire, explosion, or release of toxic fumes from residues. Do not pressurize or expose empty containers to open flame, sparks, or heat. Keep container closed and drum bungs in place. All label warnings and precautions must be observed. Return empty drums to a qualified reconditioner. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this material.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Hazards not otherwise classified	: None known.

# Section 3. Composition/information on ingredients

#### Substance/mixture Other means of identification

: Mixture

: Heavy duty motor oil

### **CAS number/other identifiers**

**CAS** number

: Not applicable.

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated heavy paraffinic Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Distillates (petroleum), solvent-dewaxed heavy paraffinic Distillates (petroleum), solvent-refined heavy paraffinic reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	≥75 - ≤90 ≤10 ≤3 ≤3 ≤3	64742-54-7 72623-87-1 64742-65-0 64741-88-4 125643-61-0

\* = Various \*\* = Mixture \*\*\* = Proprietary

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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

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

### Section 4. First aid measures

### Description of necessary first aid measures

Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</li> </ul>
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	<ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</li> </ul>
Ingestion	<ul> <li>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</li> </ul>

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

Potential acute health effe	<u>5</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/symp</u>	oms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate ma	cal 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	: Treat symptomatically and supportively.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oil, SAE 15W-40

# Section 4. First aid measures

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides phosphorus oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment 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 mode.

# Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

	in orden price of proceedings	
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 spilled material. Put on appropriate personal protective equipment.	
For emergency responders	: If specialized 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 spilled 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).	
Methods and materials for co	ntainment 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. 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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

# Section 7. Handling and storage

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Precautions for safe handling	g	
Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
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.
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. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
		Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.
Section 8 Exposu	rc	controls/nersonal protection

## Section 8. Exposure controls/personal protection

#### Control parameters

Occupational exposure limits	
Distillates (petroleum), hydrotreated heavy paraffinic	<ul> <li>ACGIH TLV (United States, 1/2021). TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</li> <li>OSHA PEL (United States, 5/2018). TWA: 5 mg/m<sup>3</sup> 8 hours.</li> <li>NIOSH REL (United States, 10/2020). TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist</li> </ul>
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	NIOSH REL (United States, 10/2020). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist ACGIH TLV (United States). TWA: 5 mg/m OSHA PEL (United States). TWA: 5 mg/m <sup>3</sup>
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH TLV (United States, 1/2021). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction OSHA PEL (United States, 5/2018). TWA: 5 mg/m <sup>3</sup> 8 hours. NIOSH REL (United States, 10/2020). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
Distillates (petroleum), solvent-refined heavy paraffinic	<ul> <li>ACGIH TLV (United States, 1/2021). TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</li> <li>OSHA PEL (United States, 5/2018). TWA: 5 mg/m<sup>3</sup> 8 hours.</li> <li>NIOSH REL (United States, 10/2020). TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist</li> </ul>

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Section 8. Exposure controls/personal protection

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, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measured	es a la construcción de la constru
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.
Eye/face protection	: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. 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 inhalation hazards exist, a full-face respirator may be required instead.
Skin protection	
Hand protection	: Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
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.
Other skin protection	: Avoid skin contact with liquid. 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. Leather boots are not protective for liquid contact.
Respiratory protection	: Avoid inhalation of gases, vapors, mists or dusts. Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# Section 9. Physical and chemical properties

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

#### **Appearance Physical state** : Liquid. Color : Amber. Odor : Mild petroleum odor pH : Not available. **Boiling point, initial boiling** : Not available. point, and boiling range : Open cup: 232°C (449.6°F) [Cleveland] **Flash point** : <1 (butyl acetate = 1) **Evaporation rate** : Not available. Lower and upper explosive (flammable) limits : <0.0013 kPa (<0.01 mm Hg) Vapor pressure : Not available. **Relative vapor density** : 0.8757 **Relative density** : Estimated 7.3 lbs/gal **Density lbs/gal Density gm/cm<sup>3</sup>** : Not available. Gravity, °API : Estimated 30 @ 60 F

Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oil, SAE 15W-40		
Auto-ignition temperature	: Lowest known value: 365°C (689°F) (reaction mass of isomers of: C7-9-alkyl 3-(3,5-di- tert-butyl-4-hydroxyphenyl)propionate).	
Viscosity	: Kinematic (40°C (104°F)): 118 mm²/s (118 cSt)	
Viscosity SUS	:Estimated 547 SUS @104 F	
Flow time (ISO 2431)	: Not available.	
Particle characteristics		
Median particle size	: Not applicable.	

Section 10. Stability and reactivity				
Reactivity	: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide			

Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Incompatible materials	: No specific data.
Conditions to avoid	: No specific data.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical stability	: The product is stable.
	under US GHS Definition(s).

## Section 11. Toxicological information

### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-refined heavy paraffinic	LD50 Dermal	Rabbit	2000 mg/kg	-
•	LD50 Oral	Rat	5000 mg/kg	-

**Conclusion/Summary** : Distillates (petroleum), hydrotreated heavy paraffinic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. Distillates (petroleum), solvent-dewaxed heavy paraffinic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. Distillates (petroleum), solvent-refined heavy paraffinic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and

Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oil, SAE 15W-40

### Section 11. Toxicological information

near currer	studies involving exposures to lower concentrations of mineral oil mists at or nt work place exposure levels produced no significant toxicological effects. nass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)
effects (cel were chara effects on p	<b>a</b> : In subchronic studies, certain alkyl phenols have been associated with liver lular hypertrophy) following oral administration to rats. These liver effects incterized by necrosis and fibrosis at doses of 250 mg/kg/day or higher. Also, prothrombin index were reported, however this effect is not seen in all studies. Indies did not find carcinogenic effects in rats or mice.

### Irritation/Corrosion

Not available.			
Skin	: No additio	onal inform	ation.
Eyes	: No addition	onal inform	ation.
Respiratory	: No addition	onal inform	ation.
Sensitization			
Not available.			
Skin	: No additi	onal inform	ation.
Respiratory	: No additional information.		
<u>Mutagenicity</u>			
Not available.			
Conclusion/Summary	: No additi	onal inform	ation.
Carcinogenicity			
Not available.			
Conclusion/Summary			um), solvent-refined heavy paraffinic: In long term studies (up to ogenic effects have been reported in any animal species tested.
<b>Classification</b>			
Product/ingredient name	OSHA	IARC	NTP
		1	

### Reproductive toxicity

Distillates (petroleum),

solvent-refined heavy

Not available.

paraffinic

### **Conclusion/Summary** : No additional information.

Teratogenicity

Not available.

**Conclusion/Summary** 

: No additional information.

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### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure) Not available.

#### **Aspiration hazard**

Not available.

#### Information on the likely : Not available. routes of exposure

### Potential acute health effects

Eye contact

: No known significant effects or critical hazards.

Date of issue/Date of revision :
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# Section 11. Toxicological information

Inhalation	: No known significant effects or critical hazards.		
Skin contact	: No known significant effects or critical hazards.		
Ingestion	: No known significant effects or critical hazards.		
Symptoms related to the phy	vsical, chemical and toxicological characteristics		
Eye contact	: No specific data.		
Inhalation	: No specific data.		
Skin contact	vo specific data.		
Ingestion	: No specific data.		
Delayed and immediate effe	cts and also chronic effects from short and long term exposure		
Short term exposure			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Long term exposure			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health eff	fects		
Not available.			
General	: No known significant effects or critical hazards.		
Carcinogenicity	: No known significant effects or critical hazards.		
Mutagenicity	: No known significant effects or critical hazards.		
Teratogenicity	: No known significant effects or critical hazards.		
Developmental effects	: No known significant effects or critical hazards.		
Fertility effects	: No known significant effects or critical hazards.		

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)			<b>V</b> - <b>P /</b>	Inhalation (dusts and mists) (mg/ I)
Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oil, SAE 15W-40	229268.6	N/A	N/A	N/A	N/A
Distillates (petroleum), solvent-refined heavy paraffinic	5000	N/A	N/A	N/A	N/A

# Section 12. Ecological information

### **Toxicity**

Not available.

**Conclusion/Summary** : Not available.

### Persistence and degradability

**Conclusion/Summary** : Not available.

# Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), solvent-refined heavy paraffinic	-	-	Inherent

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Distillates (petroleum), solvent-refined heavy paraffinic	3.9 to 6	-	high
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl- 4-hydroxyphenyl)propionate	9.2	260	low

#### Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

### **Disposal methods**

: The generation of waste should be avoided or minimized 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. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

**Oil:** The product(s) represented by this SDS is (are) regulated as "oil" under 49 CFR Part 130. Shipments by rail or highway in packaging having a capacity of 3500 gallons or more or in a quantity greater 42,000 gallons are subject to these requirements. In addition, mixtures containing 10% or more of this product may be subject to these requirements.

Date of issue/Date of revision

### Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to IMO instruments

# Section 15. Regulatory information

U.S. Federal regulations	: United States inventory (TSCA 8b): All components are listed or exempted.
	<b>Clean Water Act (CWA) 307</b> : Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts; toluene; Nickel; benzene
	Clean Water Act (CWA) 311: fumaric acid; toluene; Ethylenediamine; vinyl acetate; benzene
	This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

#### SARA 302/304

**Composition/information on ingredients** 

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
ethylenediamine vinyl acetate	<0.01 <0.0001	Yes. Yes.	10000 1000	1337.1 129	5000 5000	668.5 644.8

: 70932047.1 lbs / 32203149.4 kg [9714710.6 gal / 36774180 L]

### SARA 304 RQ SARA 311/312

Classification : Not applicable. Composition/information on ingredients

No products were found.

#### **State regulations**

Massachusetts	: None of the components are listed.
New York	: None of the components are listed.
New Jersey	: None of the components are listed.
Pennsylvania	: None of the components are listed.

California Prop. 65 Clear and Reasonable Warnings (2018)

**WARNING**: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	%	Cancer	Reproductive		Maximum acceptable dosage level
toluene	<0.1	No.	Yes.	-	Yes.
Nickel	trace	Yes.	No.	-	-
benzene	trace	Yes.	Yes.	Yes.	Yes.

International regulations

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

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## Section 15. Regulatory information

Inventory list	
United States	: All components are listed or exempted.
Australia	: Not determined.
Canada	: All components are listed or exempted.
China	: Not determined.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
Viet Nam	: Not determined.

### Section 16. Other information

#### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### Procedure used to derive the classification

	Classification	Justification
Not classified.		
History		
Date of printing	: 5/27/2022	
Date of issue/Date of revision	: 5/27/2022	
Date of previous issue	: 9/22/2021	
Version	: 4	
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification a IATA = International Air Transport Association IBC = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coeff MARPOL = International Convention for the Prevention as modified by the Protocol of 1978. ("Marpol" = marin	ficient n of Pollution From Ships, 1973

Date of issue/Date of revision	: 5/27/2022	Date of previous issue	: 9/22/2021	Version : 4	11/12
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### Section 16. Other information

References

UN = United Nations

: Not available.

Indicates information that has changed from previously issued version.

#### Notice to reader

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