SAFETY DATA SHEET



MAX ATF

GHS product identifier	: MAX ATF
Product code	: 301143175017
Other means of identification	: Not available.
Product type	: Liquid.

Identified uses	
Consumer products: Lubricating agent Industrial applications: Lubricating agent	
Uses advised against	Reason
None known.	

Supplier's details	: Calumet Branded Products, LLC 2780 Waterfront Pkwy E. Drive Suite 200 Indianapolis, IN 46214 USA Technical Services:317-328-5660
Emergency telephone number	: 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887

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 substance or mixture	: AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2
GHS label elements	
Hazard pictograms	
Signal word	: No signal word.
Hazard statements	: Toxic to aquatic life with long lasting effects.
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Avoid release to the environment.
Response	: Collect spillage.
Storage	Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

: Mixture

: Not available.

Ingredient name	%	CAS number
Ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	≥75 - ≤90	72623-87-1
Distillates (petroleum), hydrotreated light paraffinic	≤1.6	64742-55-8
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	≤1.6	72623-86-0
Alkyl Phosphites	<1	Trd Secret

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346

Any concentration shown as a range is to protect confidentiality or is due to batch 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	: 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.	
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
Skin contact	: Fush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.	
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.	

Most important symptoms/effects, acute and delayed

Potential acute health effect		
Eye contact	lo known significant effects or critical hazards.	
Inhalation	lo known significant effects or critical hazards.	
Skin contact	lo known significant effects or critical hazards.	
Ingestion	lo known significant effects or critical hazards.	
Over-exposure signs/symp		
Eye contact	lo specific data.	
Inhalation	lo specific data.	
Skin contact	lo specific data.	
Ingestion	lo specific data.	
Indication of immediate med	attention and special treatment needed, if necessary	
Notes to physician	Freat symptomatically. Contact poison treatment specialist immediately it quantities have been ingested or inhaled.	f large
Specific treatments	No specific treatment.	
Protection of first-aiders	o action shall be taken involving any personal risk or without suitable tra	ining.

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	: Do not use water jet.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
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, protec	tive 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 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for co	sintainment 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 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 spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	
Protective measures :	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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.

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Section 7. Handling and storage

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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	NIOSH REL (United States, 10/2020). [OIL MIST MINERAL] TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist
Distillates (petroleum), hydrotreated light paraffinic	OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]
Alkyl Phosphites	TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist ACGIH TLV (United States). TWA: 5 mg/m ³ , (Mist) STEL: 10 mg/m ³ , (Mist)

Biological exposure indices

None known.

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, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	
Individual protection meas	<u>res</u>	
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 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.	
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. 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.	5
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.	J
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.	i
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.	

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

Physical state	: Liquid.	
Color	: Red.	
Odor	: Odorless.	
Odor threshold	: Not available.	
рН	Not available.	
Melting point/freezing point	: Not available.	
Boiling point, initial boiling point, and boiling range	: Not available.	
Flash point	: Open cup: 230°C (446°F) [Clevelan	d]
Evaporation rate	: Not available.	
Flammability	: Not available.	
Lower and upper explosion limit/flammability limit	: Not available.	
Vapor pressure	:	

Section 9. Physical and chemical properties and safety characteristics

			Vapor Pressure at 20°C			20°C	Va	apor pre	ssure at 50°C
		Ingredient name	mm H	lg kPa	Met	nod	mm Hg	kPa	Method
		sulphur dioxide	2475.2	330					
		benzene	75.01	10					
		ethylbenzene	9.3	1.2					
		xylene	6.7	0.89					
		Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- based	<0.08	<0.011	ASTM	I D 5191			
		Distillates (petroleum), hydrotreated light paraffinic	<0.08	<0.011	ASTM	I D 5191			
		Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	<0.08	<0.011	ASTM	I D 5191			
Relative vapor density	:	Not available.	1	<u> </u>	ļ		I	I	I
Relative density	:	0.8442							
Solubility(ies)	:	Media		Result					
		oold water hot water		Not soluble Not soluble					
Solubility in water	1	Not available.							
Partition coefficient: n- octanol/water	:	Not applicable.							
Auto-ignition temperature	:	Ingredient name		°C		°F		Method	
		xylene		432		809.6			
		ethylbenzene		432.2	2	810			
		benzene		498		928.4			
Decomposition temperature	:	Not available.							
Viscosity	:	Kinematic (40°C (10-	4°F)): 3	0.1 mm²/	s (30.1	cSt)			
Flow time (ISO 2431)	:	Not available.							
Pour point	1	-48°C (-54.4°F)							
Particle characteristics Median particle size	:	Not applicable.							
Section 10. Stabili	ity	and reactivity	ty						
Reactivity	:	No specific test data	related	l to reactiv	/ity avai	lable for	this p	roduct or	its ingredients.
Chemical stability	:	The product is stable	Э.						
Possibility of hazardous reactions	:	Under normal condit	ions of	storage a	nd use,	hazardo	ous rea	actions w	/ill not occur.
Conditions to avoid	:	No specific data.							
Incompatible materials	:	No specific data.							
Hazardous decomposition products	:	Under normal condit not be produced.	ions of	storage a	nd use,	hazardo	ous de	composi	tion products shou
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Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), hydrotreated light paraffinic	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Alkyl Phosphites	LD50 Dermal	Rabbit	>500 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-

Irritation/Corrosion

Not available.

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Sensitization Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects		
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.

Symptoms related to the physical, chemical and toxicological characteristics

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MAX ATF

Section 11. Toxicological information

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Eye contact	:	No specific data.
Inhalation	1	No specific data.
Skin contact	:	No specific data.
Ingestion	- :	No specific data.
Delayed and immediate effect	<u>cts</u>	and also chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
<u>Long term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	<u>s</u>
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.
Reproductive toxicity	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
MAX ATF Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	N/A N/A	2729.9 2500	N/A N/A	N/A N/A	N/A N/A
Distillates (petroleum), hydrotreated light paraffinic Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Alkyl Phosphites	N/A N/A 2500	2500 2500 300	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A

Section 12. Ecological information

<u>Toxicity</u>			
Product/ingredient name	Result	Species	Exposure
Ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Crustaceans	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
Distillates (petroleum), hydrotreated light paraffinic	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Daphnia	48 hours
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Section 12. Ecological information

	Acute LC50 >100 mg/l	Fish	96 hours
Alkyl Phosphites	Acute EC50 0.09 mg/l	Daphnia	48 hours
	Acute LC50 1.5 mg/l Fresh water	Fish	96 hours
	Acute NOEC 0.13 mg/l	Algae	72 hours

Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum	
Alkyl Phosphites	- 52.9 % - Not readily OECD 301B Ready Biodegradability - CO ₂ Evolution Test				- Activated sludge	
Product/ingredient name	Aquatic half-life		Photolysis	i	Biodegradability	
Ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	-		-		Inherent	
Distillates (petroleum), hydrotreated light paraffinic	-		-		Inherent	
Alkyl Phosphites	-		-		Not readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
✓ubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	>6	-	high
Distillates (petroleum), hydrotreated light paraffinic	>6	-	high

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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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	TDG Classification	IMDG	ΙΑΤΑ
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Alkyl Phosphites). Marine pollutant (Alkyl Phosphites)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl Phosphites). Marine pollutant (Alkyl Phosphites)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl Phosphites). Marine pollutant (Alkyl Phosphites)	Environmentally hazardous substance, liquid, n.o.s. (Alkyl Phosphites)
Transport hazard class(es)	9	9	9	9
Packing group	Ш	Ш	111	Ш
Environmental hazards	Yes.	Yes.	Yes.	Yes.

Additional information

DOT Classification	:	Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of §§ 173.24 and 173.24a. Limited quantity Yes. Packaging instruction Exceptions: 155. Non-bulk: 203. Bulk: 241. Special provisions 8, 146, 173, 335, IB3, T4, TP1, TP29
TDG Classification	:	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark). Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail. Explosive Limit and Limited Quantity Index 5 Special provisions 16, 99
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. <u>Emergency schedules</u> F-A, S-F <u>Special provisions</u> 274, 335, 969
ΙΑΤΑ	:	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 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8. Quantity limitation Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964. Special provisions A97, A158, A197, A215
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 to IMO instruments	:	Not available.

Section 15. Regulatory information

• • •		-
U.S. Federal regulations	:	TSCA 4(a) proposed test rules: methyl-1H-benzotriazole
		TSCA 8(a) CDR Exempt/Partial exemption: Not determined
		Clean Water Act (CWA) 307: benzene; ethylbenzene
		Clean Water Act (CWA) 311: benzene; xylene; ethylbenzene
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
CADA 202/204		

SARA 302/304

Composition/information on ingredients

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
sulphur dioxide	≤0.1	Yes.	500	-	500	-

SARA 304 RQ

: 18518518.5 lbs / 8407407.4 kg [2630895.6 gal / 9959023.2 L]

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
Sistillates (petroleum), hydrotreated light paraffinic	≤1.6	ASPIRATION HAZARD - Category 1
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	≤1.6	ASPIRATION HAZARD - Category 1

MINERAL

State regulations

Massachusetts	: 🖬 e following components are listed: OIL MIST,
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

▲ WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Information provided is based on industrial use and may not be relevant to consumer applications.

Ingredient name	Concentration (%)	_	Maximum acceptable dosage level
Benzene	0.012	Yes.	Yes.
Ethylbenzene	0.001 - 0.004	Yes.	-
sulfur dioxide	0.0027	-	Yes.

International lists

National inventory Australia

: All components are listed or exempted.

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Section 15. Regulatory information

Canada	: All components are listed or exempted.	
China	: All components are listed or exempted.	
Eurasian Economic Union	: Russian Federation inventory: Not determined.	
New Zealand	: All components are listed or exempted.	
Philippines	: All components are listed or exempted.	
Republic of Korea	: All components are listed or exempted.	
Taiwan	: All components are listed or exempted.	
Thailand	: Not determined.	
Turkey	: Not determined.	
United States	: 🕅 components are active or exempted.	
Viet Nam	: Not determined.	

Section 16. Other information



Special

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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
AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2		Calculation method Calculation method
<u>History</u>		
Date of issue/Date of revision	: 12/14/2022	
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Version	: 8.01	
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 = Internediate 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	
Indicates information that has changed from previously issued version.		

Notice to reader

Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.