# **SAFETY DATA SHEET**



#### XPR SAE 5W-20

Section 1. Identifi	cation
GHS product identifier	: XPR SAE 5W-20
Product code	: 301450175115
Other means of	: Not available.
identification	
Product type	: Liquid.
Relevant identified uses of t	the substance or mixture and uses advised against
Identified uses	
Consumer products: Lubricat	ing Oil
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. Hazard	s 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	: Not classified.
GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
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	Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	Not applicable.
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
Dec-1-ene, trimers, hydrogenated	≥25 - ≤50	68037-01-4
Distillates (petroleum), hydrotreated heavy paraffinic	≤1.7	64742-54-7
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤1.7	64742-65-0
Distillates (petroleum), solvent-dewaxed light paraffinic	≤1.7	64742-56-9
Paraffin oils (petroleum), catalytic dewaxed heavy	≤1.6	64742-70-7
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	≤1.2	113706-15-3

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	<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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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	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. Get medical attention if symptoms occur.

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

Da

Potential acute health effe	<u>cts</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.
Over-exposure signs/sym	<u>ptoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

ate of issue/Date of revision : 12/14/2	2022 Date of previous issu	e : 06/15/2022	Version : 4.0	1 2/13
---	----------------------------	----------------	---------------	--------

### 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	: 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.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides metal oxide/oxides
Special protective actions for fire-fighters	<ul> <li>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.</li> </ul>
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	ive 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).
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

Precautions for safe handling	
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.

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
✓ec-1-ene, trimers, hydrogenated	None.
Distillates (petroleum), hydrotreated heavy paraffinic	OSHA PEL (United States, 5/2018). [Oil
	mist, mineral]
	TWA: 5 mg/m <sup>3</sup> 8 hours.
	ACGIH TLV (United States, 1/2022).
	[Mineral Oil, pure, highly and severely
	refined]
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction NIOSH REL (United States, 10/2020). [OIL
	MIST MINERAL]
	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-dewaxed heavy paraffinic	OSHA PEL (United States, 5/2018). [Oil
Distillates (petrolediti), solvent-dewaxed heavy paramine	mist, mineral]
	TWA: 5 mg/m <sup>3</sup> 8 hours.
	ACGIH TLV (United States, 1/2022).
	[Mineral Oil, pure, highly and severely
	refined]
	TWA: 5 mg/m³ 8 hours. Form: Inhalable
	fraction
	NIOSH REL (United States, 10/2020). [OIL
	MIST MINERAL]
	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-dewaxed light paraffinic	OSHA PEL (United States, 5/2018). [Oil
	mist, mineral]
	TWA: 5 mg/m <sup>3</sup> 8 hours.
	ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely
	refined]
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	NIOSH REL (United States, 10/2020). [OIL
	MIST MINERAL]
	TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist
	STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
Paraffin oils (petroleum), catalytic dewaxed heavy	OSHA PEL (United States, 5/2018). [Oil
ate of issue/Date of revision : 12/14/2022 Date of previous issue	e : 06/15/2022 Version : 4.01 4

### Section 8. Exposure controls/personal protection

	mist, mineral]
	TWA: 5 mg/m <sup>3</sup> 8 hours.
	ACGIH TLV (United States, 1/2022).
	[Mineral Oil, pure, highly and severely
	refined]
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	NIOSH REL (United States, 10/2020). [OIL
	MIST MINERAL]
	TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist
	STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	None.

#### **Biological exposure indices**

None known.

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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 measure	<u>es</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.
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	: 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.

### 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	: Purple.
Odor	: Characteristic.

Date of issue/Date of revision

## Section 9. Physical and chemical properties and safety characteristics

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: 224.44°C (436°F) [Clevelan	ıd]	
Evaporation rate	: Not available.		
Flammability	: Not available.		
Lower and upper explosion limit/flammability limit	: Not available.		
Vapor pressure	: Vapor Pressu	ıre	

	Vapo	r Pressui	re at 20°C	Vapo	or pressu	re at 50°C
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>vi</b> nyl acetate	84.76	11.3				
benzene	75.01	10				
toluene	23.17	3.1				
ethylenediamine	10.5	1.4				
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed light paraffinic	<0.08	<0.011	ASTM D 5191			
Paraffin oils (petroleum), catalytic dewaxed heavy	<0.08	<0.011	ASTM D 5191			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- based	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy naphthenic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated light paraffinic	<0.08	<0.011	ASTM D 5191			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	<0.08	<0.011	ASTM D 5191			
naphthalene	0.054	0.0072	OECD 104			
Solvent naphtha (petroleum), heavy arom.	0.02	0.0027				
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.000052	0.0000069	EU A.4	0.0003	0.00004	EU A.4
Dec-1-ene, trimers, hydrogenated	0.00000002	0.0000000027	EU A.4			
Dec-1-ene, homopolymer, hydrogenated	0	0	ASTM E 1194-87			
Synthetic Polyol Ester	0	0				
4,4'-methylene bis	<0	<0				

XPR SAE 5W-20								
Section 9. Physica	al a	and chemical pro	pe	erties a	and safety	characteristics		
		(dibutyldithiocarbamate)	<u> </u>					
Relative vapor density	:	Not available.	Not available.					
Relative density	:	0.8617						
Solubility(ies)	:	Media	Res	ult				
				oluble oluble				
Solubility in water	:	Not available.						
Partition coefficient: n- octanol/water	:	Not applicable.						
Auto-ignition temperature	:	Ingredient name		°C	°F	Method		
		Solvent naphtha (petroleum), heavy arom.		220 to 250	428 to 482	ASTM E 659		
		Distillates (petroleum), hydrotreated middle		225	437			
		Dec-1-ene, homopolymer, hydrogenated 2-Butenedioic acid (E)-, di-C8-18-alkyl esters vinyl acetate ethylenediamine		343 to 369	649.4 to 696.2	ASTM D 2159		
				380	716			
				402	755.6			
				405	761	DIN 51794		
		toluene		480	896			
		benzene		498	928.4			
		naphthalene		526 to 587	978.8 to 1088.6	DIN 51794		
Decomposition temperature	:	Not available.		1				
Viscosity	:	Kinematic (40°C (104°F)): 4	4.3	l mm²/s (44	4.31 cSt)			
Flow time (ISO 2431)	:	Not available.	Not available.					
Pour point	:	-45°C (-49°F)	-45°C (-49°F)					
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	: No specific data.
Incompatible materials	: No specific data.
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	Result	Species	Dose	Exposure
Dec-1-ene, trimers, hydrogenated	LD50 Oral	Rat	>2000 mg/kg	-
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	5.7 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-dewaxed heavy 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	-
Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Paraffin oils (petroleum), catalytic dewaxed heavy	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	LD50 Dermal	Rabbit - Male, Female	>3160 mg/kg	-
	LD50 Oral	Rat	2600 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	Eyes - Severe irritant	Rabbit	-	504 hours	-
	Skin - Irritant	Guinea pig	-	4 hours	-

#### **Sensitization**

Product/ingredient name	Route of exposure	Species	Result
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	skin	Guinea pig	Not sensitizing

#### **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**

### Section 11. Toxicological information

Name		Result
Dec-1-ene, trimers, hydroge Distillates (petroleum), solve		ASPIRATION HAZARD - Category ASPIRATION HAZARD - Category
Information on the likely routes of exposure	: Routes of entry anticipated: Ora	al, Dermal, Inhalation, Eyes.
Potential acute health effect	t <u>s</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.
Inhalation Skin contact Ingestion	<ul><li>No specific data.</li><li>No specific data.</li><li>No specific data.</li></ul>	
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 ef	fects	
General	: No known significant effects or	critical hazards.
Carcinogenicity	: No known significant effects or	critical hazards.
Mutagenicity	: No known significant effects or	critical hazards.

### Numerical measures of toxicity

Acute toxicity estimates

**Reproductive toxicity** 

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
XPR SAE 5W-20	4735.3	5590.0	N/A	N/A	N/A
Dec-1-ene, trimers, hydrogenated	2500	N/A	N/A	N/A	N/A
Distillates (petroleum), hydrotreated heavy paraffinic	N/A	2500	N/A	N/A	5.7
Distillates (petroleum), solvent-dewaxed heavy paraffinic	N/A	2500	N/A	N/A	N/A
Distillates (petroleum), solvent-dewaxed light paraffinic	N/A	2500	N/A	N/A	N/A
Paraffin oils (petroleum), catalytic dewaxed heavy	N/A	2500	N/A	N/A	N/A
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	2600	2500	N/A	N/A	N/A

: No known significant effects or critical hazards.

### Section 11. Toxicological information

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Dec-1-ene, trimers, hydrogenated	Acute NOEC 2 mg/l (similar material)	Micro-organism	28 days (similar material)
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l	Daphnia	48 hours
5	Acute IC50 >100 mg/l	Algae	72 hours
	Acute LC50 >100 mg/l	Fish	96 hours
Distillates (petroleum), solvent-dewaxed heavy 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
	Chronic NOEL >1 mg/l	Daphnia	21 days
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	LC50 4.5 mg/l	Fish	96 hours

#### Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	1.5 % - Not readily - 1.5 % - Not readily -	ŗ	-	-
Product/ingredient name	Aquatic half-life		Photolysis	;	Biodegradability
Dec-1-ene, trimers,	-		-		Not readily
hydrogenated Distillates (petroleum), hydrotreated heavy paraffinic	-		-		Not readily
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	-		-		Not readily

#### **Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Dec-1-ene, trimers, hydrogenated	>6.5	-	high
Distillates (petroleum), hydrotreated heavy paraffinic	>6	-	high
Distillates (petroleum), solvent-dewaxed heavy paraffinic	2 to 6	-	high

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Date of issue/Date of revision

### Section 12. Ecological information

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	TDG Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.

- 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	: TSCA 4(a) final test rules: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
	TSCA 8(a) PAIR: 2-Butenedioic acid (E)-, di-C8-18-alkyl esters; naphthalene
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	<b>Clean Water Act (CWA) 307</b> : Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts; Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts; toluene; benzene
	<b>Elean Water Act (CWA) 311</b> : toluene; benzene; ethylenediamine
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
<u>SARA 302/304</u>	
Composition/information	n ingredients

### Section 15. Regulatory information

				SARA 302	TPQ	SARA 304	RQ
Name	•	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
ethylenediamine vinyl acetate		<0.1 <0.1	Yes. Yes.	10000 1000	1337.1 129	5000 5000	668.5 644.8
SARA 304 RQ	: 64984013.	9 lbs / 29502742.3	3 kg [90	)44679.1 gal	/ 34237834.9	L]	+

**SARA 304 RQ** SARA 311/312

#### Classification

: Not applicable. **Composition/information on ingredients** 

Name	%	Classification		
Sec-1-ene, trimers, hydrogenated	≥25 - ≤50	ASPIRATION HAZARD - Category 1		
Distillates (petroleum), solvent- dewaxed light paraffinic	≤1.7	ASPIRATION HAZARD - Category 1		
Phosphorodithioic acid, mixed O, O-bis(sec-Bu and isooctyl) esters, zinc salts		SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A		

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	113706-15-3	≤1.2
Supplier notification	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	113706-15-3	≤1.2

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### **State regulations**

Massachusetts	: None of the components are listed.
New York	: None of the components are listed.
New Jersey	: The following components are listed: ZINC compounds
Pennsylvania	: The following components are listed: ZINC COMPOUNDS
<u>California Prop. 65</u>	
•	

MARNING: 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.

		• •	Maximum acceptable dosage level
·	0.0146 0.0146		Yes. Yes.

#### **International lists**

National inventory	
Australia	: 🕅 components are listed or exempted.
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	: Not determined.
Thailand	: Not determined.

Date of issue/Date of revision

### Section 15. Regulatory information

Turkey United States

- : Not determined.
- : All components are active or exempted.
- Viet Nam
- : Not determined.

### Section 16. Other information





Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

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

Clas	sification	Justification
Not classified.		
<u>History</u>		
Date of issue/Date of revision	: 12/14/2022	
Date of previous issue	: 06/15/2022	
Version	: 4.01	
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 IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coef MARPOL = International Convention for the Prevention as modified by the Protocol of 1978. ("Marpol" = marin N/A = Not available SGG = Segregation Group UN = United Nations	ficient n of Pollution From Ships, 1973

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

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.