

### SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

## **RUBIA S 40**

**SDS #**: 083096

### Section 1. Identification

GHS product identifier	: RUBIA S 40
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#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Engine oil	

#### **Supplier's details**

Letails : TOTAL Specialties USA, Inc. 1201 Louisiana St. Suite 1800 Houston, TX 77002 Phone: 713-483-5000 ProductSafety@total.com

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Section 2. Hazards identification

TOTAL AMERICAS S.A. Av. Winston Churchill 1099, Torre Acrópolis, Piso 23, Ens. Piantini, Santo Domingo, República Dominicana Tel: +1 809 227 4300 ProductSafety@total.com

#### Emergency telephone number (with hours of operation)

1-866-928-0789 (For Emergencies, call CARECHEM 24/7 Domestic) 1-215-207-0061 (For Emergencies, call CARECHEM 24/7 International)

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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	<u>5</u>
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Avoid contact with skin and clothing. Wash thoroughly after handling.
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.



### Section 3. Composition/information on ingredients

Substance/mixture

**Additional** 

information

: Mixture

Ingredient name	%	CAS number
Paraffin oils (petroleum), catalytic dewaxed heavy	≥75 - ≤90	64742-70-7
Distillates (petroleum), hydrotreated light paraffinic	≤10	64742-55-8
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters,	≤3	84605-29-8
zinc salts		
O,O,O-triphenyl phosphorothioate	≤0.3	597-82-0

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

: Mineral oil of petroleum origin Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

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.

### 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.</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	: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 symp	toms/effects, acute and delayed
Potential acute healt	<u>h effects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs	s/symptoms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.
Indication of immedia	te medical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>

Specific treatm	nents	: No specific treatment.	
Date of revision	: 2021/08/26	1	



**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

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Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
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	: No specific data.
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).
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).

occupational hygiene 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.	ne handled, sto drinking and entering eati	d and processed. Workers sh moking. Remove contaminate	ted clothing and protective equipment ber
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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
Paraffin oils (petroleum), catalytic dewaxed heavy	ACGIH TLV (United States, 3/2019). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist OSHA PEL (United States, 5/2018). TWA: 5 mg/m <sup>3</sup> 8 hours.
Distillates (petroleum), hydrotreated light paraffinic	ACGIH TLV (United States, 3/2019). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist OSHA PEL (United States, 5/2018). TWA: 5 mg/m <sup>3</sup> 8 hours.
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	None.
O,O,O-triphenyl phosphorothioate	None.

#### Individual protection measures

**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.



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	<ul> <li>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.</li> <li>Hydrocarbon-proof gloves</li> <li>Fluorinated rubber</li> <li>nitrile rubber</li> <li>Please observe the instructions regarding permeability and breakthrough time which are</li> </ul>
	provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
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. Respirator with combination filter for vapor/particulate Type A/P1 Warning ! filters have a limited use duration The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses None under normal use conditions

## Section 9. Physical and chemical properties

<u>Appearance</u>				
Physical state	: Liquid.			
Color	: Amber.			
Odor	: Petroleum distillates			
Odor threshold	: Not available.			
рН	: Not available.			
Melting point/freezing point	: Not available.			
Boiling point	: Not available.			
Flash point	: Open cup: 232°C (449.6°F) [ASTM D 92]			
Evaporation rate	: Not available.			
Flammability (solid, gas)	: Not available.			
Lower and upper explosive (flammable) limits	: Not available.			
Vapor pressure	: Not available.			
Vapor pressure 37.8°C (100°F)	: Not available.			
Vapor density	: Not available.			
Date of revision : 2021/08/26	1	USA	ENGLISH	5/14



Relative density	4 [ASTM D 1298]	
Solubility	luble in the following materia	ls: cold water and hot water.
Partition coefficient: n- octanol/water	available.	
Auto-ignition temperature	available.	
<b>Decomposition temperature</b>	available.	
Viscosity	matic (40°C (104°F)): 1.35 c	m²/s (135 cSt) [ASTM D 445
Flow time (ISO 2431)	available.	

## 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	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Strong oxidizing agents
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/substance	Result	Species	Dose	Exposure	Test
Paraffin oils (petroleum), catalytic dewaxed heavy	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	-
,	LC50 Inhalation Vapor	Rat	80.4 mg/l	1 hours	-
	LC50 Inhalation Vapor	Rat	20.1 mg/l	4 hours	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-	-
	LD50 Oral	Rat	>5000 mg/kg	-	-
Distillates (petroleum), nydrotreated light paraffinic	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 420
Phosphorodithioic acid, nixed O,O-bis 1,3-dimethylbutyl and iso-Pr)	LC50 Inhalation Vapor	Rat - Male, Female	>2.3 mg/l	4 hours	OECD 403
esters, zinc salts					
	LD50 Dermal	Rat - Male, Female	>2002 mg/kg	-	OECD 402
	LD50 Oral	Rat - Male, Female	3.2 g/kg	-	OECD 401
0,0,0-triphenyl	LD50 Dermal	Rat - Male,	>2000 mg/kg	-	OECD 402
phosphorothioate		Female			Acute Derma Toxicity



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TotalEnergies						<b>SDS # :</b> 083096
	LD50 Oral		Rat - Male, Female	>10000	mg/kg -	OECD 401 Acute Oral Toxicity
Conclusion/Summary	: Based on availab	ole data, t	he classificatio	on criteria	are not met.	
Irritation/Corrosion						
Product/substance	Result		Species	Score	Exposure	Test
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Skin - Primary der irritation index (PD		Guinea pig	4.3	-	OECD 404
O,O,O-triphenyl phosphorothioate	Eyes - Cornea opa Skin - Edema	acity	Rabbit Rabbit	1.66 0	- 24 hours	- OECD 404 Acute Dermal Irritation/ Corrosion
	Eyes - Cornea opa	acity	Rabbit	0	-	OECD 405 Acute Eye Irritation/ Corrosion
Skin :	Based on available	e data, th	e classificatior	n criteria a	re not met.	
Eyes :	Based on available	e data, th	e classificatior	n criteria a	re not met.	
Respiratory :	Based on available	e data, th	e classificatior	n criteria a	re not met.	
<u>Sensitization</u>		1				
Product/substance	Route of exposure	Species	5		Result	
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	skin	Guinea			Not sensitizing	
O,O,O-triphenyl phosphorothioate	skin	Guinea	pig		Not sensitizing	

- Skin
- Respiratory

: Based on available data, the classification criteria are not met.

: Based on available data, the classification criteria are not met.

#### **Mutagenicity**

Product/substance	Test	Experiment	Result
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative
O,O,O-triphenyl phosphorothioate	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic	Negative
	OECD 487 <i>In vitro</i> Micronucleus Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
Conclusion/Summary :	Based on available data,	the classification criteria are not met.	
Carcinogenicity Not available.			
Conclusion/Summary	Based on available data,	the classification criteria are not met.	



#### **Reproductive toxicity**

Product/substance	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
O,O,O-triphenyl phosphorothioate	-	Positive	Positive	Rat - Male, Female	Oral: 300 mg/kg NOAEL	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### **Teratogenicity**

Product/substance	Result	Species	Dose	Exposure
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Negative - Oral	Rat - Male, Female	160 mg/kg NOAEL	-
O,O,O-triphenyl phosphorothioate	Negative - Oral	Rat	1000 mg/kg NOAEL	-

#### **Conclusion/Summary**

: Based on available data, the classification criteria are not met.

## Specific target organ toxicity (single exposure)

Not available.

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

#### **Aspiration hazard**

Name	Result
Paraffin oils (petroleum), catalytic dewaxed heavy	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely	: Not available.
routes of exposure	

#### Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

Delayed and immediate effect Short term exposure	cts and also chronic effects from short and long term exposure	
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Date of revision : 2021/08/26	1	US



Long term exposure Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Potential chronic health effect	<u>ets</u>			
Product/substance	Result	Species	Dose	Exposure
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Sub-chronic NOAEL Oral	Rat - Male, Female	160 mg/kg	-
O,O,O-triphenyl phosphorothioate	Sub-chronic NOAEL Oral	Rat - Male, Female	39.5 mg/kg	-
General	<ul> <li>Prolonged or repeated contact dermatitis.</li> </ul>	t can defat the skin a	and lead to irritation	, cracking and/or
Carcinogenicity	: During use in engines, contam occurs. Used motor oils have repeated application and conti used motor oil is not expected removed by washing with soap	been shown to caus nuous exposure. B to have serious effe	se skin cancer in m rief or intermittent s	ice following kin contact with
Mutagenicity	: No known significant effects o	r critical hazards.		
Teratogenicity	: No known significant effects o	r critical hazards.		
Developmental effects	: No known significant effects o	r critical hazards.		
Fertility effects	: No known significant effects o	r critical hazards.		

#### **Numerical measures of toxicity**

#### Acute toxicity estimates

Product/substance	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
RUBIA S 40	246153.8	192307.7	N/A	N/A	N/A
Paraffin oils (petroleum), catalytic dewaxed heavy	N/A	N/A	N/A	20.1	5.1
Distillates (petroleum), hydrotreated light paraffinic	N/A	N/A	N/A	N/A	5.1
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	3200	2500	N/A	N/A	N/A
O,O,O-triphenyl phosphorothioate	N/A	2500	N/A	N/A	N/A

## Section 12. Ecological information

	Result	Species	Exposure	Test
Paraffin oils (petroleum), catalytic dewaxed heavy	Acute EC50 10000 mg/l	Daphnia	48 hours	-
, ,	Acute NOEL 101 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	-
Distillates (petroleum), hydrotreated light paraffinic	Acute EC50 >100 mg/l	Algae - Pseudokirchnerella subcapitata	72 hours	OECD 201
, , , , , , , , , , , , , , , , , , , ,	Acute EC50 >10000 mg/l Chronic NOEL 10 mg/l	Daphnia - Daphnia magna Daphnia - Daphnia magna	48 hours 21 days	OECD 202 OECD 211
	Chronic NOEL >1000 mg/l	Fish - Oncorhynchus	21 days	-



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Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Acute EC50 24 mg/l	mykiss Algae - Desmodesmus subspicatus	72 hours	OECD 201
	Acute EC50 23 mg/l Acute LC50 4.5 mg/l	Daphnia - Daphnia magna Fish	48 hours 96 hours	OECD 202 -
O,O,O-triphenyl phosphorothioate	Acute EC50 >100 mg/l	Algae - Scenedesmus quadricauda	72 hours	-
	Acute EC50 >100 mg/l Acute EC50 >100 mg/l	Daphnia - Daphnia Magna Micro-organism - Sludge	48 hours 3 hours	-
	Acute NOEC 5.6 mg/l	Daphnia - Daphnia Magna	21 days	-

#### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Paraffin oils (petroleum), catalytic dewaxed heavy	-	-	Not readily
Phosphorodithioic acid, mixed O,O-bis	-	-	Not readily
(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			

#### **Bioaccumulative potential**

Product/ingredient name	LogK <sub>ow</sub>	BCF	Potential
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts O,O,O-triphenyl	0.56	- 842 to 2194	low
phosphorothioate		042 10 2104	ingn

<u>Mobility in soil</u>	
Soil/water partition coefficient (Koc)	: Not available.
Mobility in soil	: Given its physical and chemical characteristics, the product generally shows low soil mobility The product is insoluble and floats on water Loss by evaporation is limited
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	ICAO/IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

#### **Additional 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 Annex II of MARPOL and the IBC Code

### Section 15. Regulatory information

U.S. Federal regulations	: TSCA 8(a) CDR Exempt/Partial exemption: Not determined	
	<b>Clean Water Act (CWA) 307</b> : Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylb and iso-Pr) esters, zinc salts	outyl
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not 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	on ingredients	
No products were found.		
SARA 304 RQ	: Not applicable.	
<u>SARA 311/312</u>		
Classification	: HNOC - Defatting irritant	
Composition/information	on ingredients	
Date of revision : 2021/08/26	1 USA ENGLISH	11/14



Name	%	Classification
Paraffin oils (petroleum), catalytic dewaxed heavy	≥75 - ≤90	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light paraffinic	≤10	ASPIRATION HAZARD - Category 1
Phosphorodithioic acid, mixed O, O-bis(1,3-dimethylbutyl and iso- Pr) esters, zinc salts	≤3	SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1
O,O,O-triphenyl phosphorothioate	≤0.3	TOXIC TO REPRODUCTION (Fertility) (oral) - Category 2 TOXIC TO REPRODUCTION (Unborn child) (oral) - Category 2

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	≤3
Supplier notification	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	≤3

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	: The following components are listed: MINERAL OIL, PETROLEUM PARAFFIN OILS, CATALYTIC DEWAXED HEAVY; MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC
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
California Prop. 65	

To the best of our knowledge, this product does not contain any substances known to the State of California to cause cancer, developmental and/or reproductive harm

#### 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**

Not listed.

Inventory list	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.

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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	: All components are listed or exempted.
Viet Nam	: Not determined.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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



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#### Procedure used to derive the classification

	Classification	Justification
Not classified.		
History		
Date of revision	: 8/26/2021	
Date of previous revision	: No previous validation	
Version	: 1	



Key to abbreviations	<ul> <li>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</li> </ul>
References	: Not available.

Indicates information that has changed from previously issued version.

#### Notice to reader

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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.