

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# **RUBIA TIR 7400 15W40**

**SDS # :** 082680

previous revision date

: 2022/02/23

# SECTION 1: Identification of the substance/mixture and of the company/ undertaking

#### **1.1 Product identifier**

**Product name** 

: RUBIA TIR 7400 15W40

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

Motor oil

Identified uses

#### 1.3 Details of the supplier of the safety data sheet

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TotalEnergies Marketing Romania SA Str. Stejarilor, nr. 2, Cristian, Brasov, 507055 Tel: 00 40 268 40 17 11 Fax: 00 40 268 40 17 26

fds-romania@totalenergies.com

#### **Contact**

H.S.E

#### 1.4 Emergency telephone number

#### National advisory body/Poison Center

Telephone number	: Romania Emergency Clinical Hospital Bucharest (non-stop, 24 h/7d): 021 5992300, int. 182, 444, 213, 455 Other bodies responsible for receiving health information: Targu Mures County Emergency Clinical Hospital Direct phone: 0265 210 110 Central Telephone (non-stop, 24 h/7z): 0372 653 100; 0372 683 700; 0265 212 111 Other institutions (child poisoning): Grigore Alexandrescu Children's Hospital, Bucharest TOXAPEL Telephone (24h/24h): 021 2106282; 021 2106183 Moldavia Serviciul Naţional Unic Pentru Apelurile de Urgenţă: 112
<u>Supplier</u>	
Telephone number	: Emergency phone: +44 1235 239670



# **SECTION 2: Hazards identification**

# 2.1 Classification of the substance or mixture

Product definition : Mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Contains Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated and Calcium long chain alkaryl sulfonate. May produce an allergic reaction. Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.

#### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration >= 0,1 %. This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

Other hazards which do : Hazard of slipping on spilled product. not result in classification

## **SECTION 3: Composition/information on ingredients**

Product/substance	Identifiers	% (w/w)	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Sistillates (petroleum), solvent-refined heavy paraffinic	REACH #: 01-2119488706-23 EC: 265-090-8 CAS: 64741-88-4	≤10	Asp. Tox. 1, H304	-	[1] [2]
Distillates (petroleum), hydrotreated heavy paraffinic	EC: 265-157-1 CAS: 64742-54-7	≤3	Aquatic Chronic 4, H413	-	[1] [2]
Alkyl (C18-C28) toluenesulfonic acid,	EC: 953-650-0	≤3	Skin Sens. 1B, H317 Repr. 2, H361d	Repr. 2, H361d: C ≥ 17.15%	[1]



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#### Additional information

: 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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

## **SECTION 4: First aid measures**

#### 4.1 Description of 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	: 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

#### 4.2 Most important symptoms and effects, both acute and delayed

# Over-exposure signs/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.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large
	quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

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# **SECTION 5: Firefighting measures**

: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
: Do not use water jet.
rom the substance or mixture
: In a fire or if heated, a pressure increase will occur and the container may burst.
: parbon monoxide carbon dioxide phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides
<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>
: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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".			
6.2 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).			
6.3 Methods and materials for	containment and cleaning up			
Small spill	: Stop leak if without risk. Move containers from spill area. 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. 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. Dispose of via a licensed waste disposal contractor.			



6.4 Reference to other	: See Section 1 for emergency contact information.
sections	See Section 8 for information on appropriate personal protective equipment.
	See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

	Dut an annuantista namanal nustastiva anuinment (see Castian 9)	
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.	;

#### 7.2 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.

7.3 Specific	end	use(s)
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Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/substance	Exposure limit values
Distillates (petroleum), solvent-refined heavy paraffinic	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). [Mineral oil, other than mineral oils that have previously been used in internal combustion engines to lubricate and cool moving parts of the engine] VLA: 5 mg/m <sup>3</sup> 8 hours.
Distillates (petroleum), hydrotreated heavy paraffinic	Short term: 10 mg/m <sup>3</sup> 15 minutes. HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). [Mineral oil, other than mineral oils that have previously been used in internal combustion engines to lubricate and cool moving parts of the engine] VLA: 5 mg/m <sup>3</sup> 8 hours. Short term: 10 mg/m <sup>3</sup> 15 minutes.

Reportable hazardous constituent(s) contained in UVCB and/or multi-constituent substance(s) complying with the classification criteria and/or with an exposure limit (OEL)

No exposure limit value known.

#### **Biological Limit Values (BLV)**

No exposure indices known.



Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Advisory OEL	<ul> <li>Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, STEL 10 mg/m3, ACGIH (TLV) TWA 5 mg/m3 (highly refined)</li> </ul>

#### **DNELs/DMELs**

Product/substance	Туре	Exposure	Value	Population	Effects
istillates (petroleum), solvent-	DNEL	Long term	5.4 mg/m <sup>3</sup>	Workers	Local
efined heavy paraffinic		Inhalation			
	DNEL	Long term	1.2 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Long term Oral	0.74 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	0.97 mg/	Workers	Systemic
	DNEL	Long term	kg bw/day 1.19 mg/m³	General	Local
	DIVEL	Inhalation	1.19 mg/m	population	LUCAI
	DNEL	Long term	2.73 mg/m <sup>3</sup>		Systemic
	DITE	Inhalation	2.70 mg/m	W ON KOTO	e yeternie
	DNEL	Long term	5.58 mg/m <sup>3</sup>	Workers	Local
		Inhalation	J. M.		
Distillates (petroleum), hydrotreated	DNEL	Long term	2.73 mg/m <sup>3</sup>	Workers	Systemic
neavy paraffinic		Inhalation	-		-
	DNEL	Long term	5.58 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Long term Dermal	970 µg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	1.19 mg/m <sup>3</sup>		Local
		Inhalation	740 ug/kg	population	Svotomio
	DNEL	Long term Oral	740 µg/kg bw/day	General	Systemic
	DNEL	Long term Oral	0.74 mg/	population General	Systemic
	DIVEL	Long term Oran	kg bw/day	population	Oysternic
	DNEL	Long term Dermal	0.97 mg/	Workers	Systemic
	DITE	Long toni Donna	kg bw/day	TT OILLOID	e yeternie
	DNEL	Long term	1.19 mg/m <sup>3</sup>	General	Local
		Inhalation	Ŭ	population	
	DNEL	Long term	2.73 mg/m <sup>3</sup>		Systemic
		Inhalation	_		
	DNEL	Long term	5.58 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
Phosphorodithioic acid, mixed O,O-	DNEL	Short term Oral	29 mg/kg	General	Systemic
bis(sec-Bu and 1,3-dimethylbutyl)			bw/day	population	
esters, zinc salts		Long torm Oral	0.21 mg/	Conoral	Sustamia
	DNEL	Long term Oral	0.21 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2.1 mg/kg	General	Systemic
			bw/day	population	- Cystonic
	DNEL	Long term	2.93 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			Systemic
	DNEL	Long term Dermal	10.42 mg/	Workers	Systemic
		l J	kg bw/day		



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	Long term Inhalation	11.75 mg/ m³	General population	Systemic
	Short term Dermal	50 mg/kg bw/day		Systemic
DNEL	Short term Dermal	100 mg/kg bw/day		Systemic
	Short term Inhalation	198.6 mg/ m <sup>3</sup>	General population	Systemic
	Short term Inhalation	496.4 mg/ m³		Systemic

#### **PNECs**

Product/ingredient name	Compartment Detail	Name	Method Detail
Sistillates (petroleum), hydrotreated heavy paraffinic	Secondary Poisoning	9.33 mg/kg	-
Phosphorodithioic acid, mixed O,O-bis(sec- Bu and 1,3-dimethylbutyl) esters, zinc salts	Fresh water	4 µg/l	-
	Marine water	4.6 µg/l	-
	Marine water sediment	0.00701 mg/kg dwt	-
	Soil	0.0548 mg/kg dwt	-
	Sewage Treatment Plant	3.8 mg/l	-

#### 8.2 Exposure controls

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

Individual protection measures

Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	r case of contact through splashing: safety glasses with side-shields, EN 166.
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. Hydrocarbon-proof gloves nitrile rubber Fluorinated rubber Please observe the instructions regarding permeability and breakthrough time which are 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. In case of prolonged contact with the product, it is recommended to wear gloves complying with ISO 21420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency
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. Non-skid safety shoes or boots
Respiratory protection	:	None under normal use conditions. If these are not sufficient to maintain exposure below the OEL, suitable respiratory protection must be worn (Type A/P1).
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**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.

## **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>		
Physical state	:	Liquid. [limpid]
Color	:	Brown.
Odor	:	Characteristic.
рН	:	Not applicable. Product is non-soluble (in water).
Melting point/freezing point	:	rechnically not possible to measure
Initial boiling point and boiling range	:	▶316°C [EN ISO 3405]
Flash point	:	Øpen cup: 241°C [ASTM D 92]
Flammability	:	Not applicable.
Lower and upper explosion limit	:	<mark>⊭</mark> ower: 0.9% Upper: 7%
Vapor pressure	:	✓0.013 kPa [room temperature] Not applicable. [50°C]
Vapor density	:	Not available.
Relative density	:	0.888 [ASTM D 1298]
Density	:	0.888 g/cm³ [15°C] [ASTM D 1298]
Solubility(ies)	:	
Media		Result
water		Not soluble
Miscible with water	:	No.
Partition coefficient: n-octanol/ water	:	Not applicable.
Auto-ignition temperature	:	▶250°C [ASTM E 659]
Decomposition temperature	:	Not applicable.
Viscosity	:	Kinematic (40°C): 98.7 mm²/s [ASTM D 445]
Particle characteristics		
Median particle size	:	Not applicable.

#### 9.2 Other information

No other relevant physical and chemical parameters for the safe use of the product



# **SECTION 10: Stability and reactivity**

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials	:	Strong oxidizing agents
10.6 Hazardous decomposition products	:	earbon monoxide carbon dioxide phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides

## **SECTION 11:** Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	Result	Species	Dose	Exposure	Test
Distillates (petroleum), solvent-refined heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	OECD 403
	LD50 Dermal LD50 Oral	Rabbit Rat	>5000 mg/kg >5000 mg/kg	-	OECD 402 OECD 420
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	5.53 mg/l	4 hours	OECD 403 Acute Inhalation Toxicity
	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402 Acute Dermal Toxicity
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 401 Acute Oral Toxicity
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402 Acute Dermal Toxicity
	LD50 Oral	Rat	3.4 g/kg	-	OECD 401 Acute Oral Toxicity
Calcium long chain alkaryl sulfonate	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	-
	LC50 Inhalation Vapor LC50 Inhalation Vapor	Rat Rat	80.4 mg/l 20.1 mg/l	1 hours 4 hours	-



#### Acute toxicity estimates

Product/substance	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Sistillates (petroleum), solvent-refined heavy paraffinic	N/A	N/A	N/A	N/A	5.1
Distillates (petroleum), hydrotreated heavy paraffinic	N/A	N/A	N/A	N/A	5.53
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	3400	N/A	N/A	N/A	N/A
Calcium long chain alkaryl sulfonate	N/A	N/A	N/A	20.1	5.1

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

#### Irritation/Corrosion

Product/substance	Result	Species	Score	Exposure	Test
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	Eyes - Irritant	Rabbit	-	-	OECD 405
	Skin - Edema	Rabbit	0.5	4 hours	OECD 404 Acute Dermal Irritation/ Corrosion
	Skin - Erythema/Eschar	Rabbit	1.3	4 hours	OECD 404

#### **Conclusion/Summary**

Skin	
Eyes	

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

: Based on available data, the classification criteria are not met. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required

#### Respiratory Sensitization

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

Product/substance	Route of exposure	Species	Result
hosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	skin	Guinea pig	Not sensitizing
<b>Conclusion/Summary</b>			
Skin	: Based on available data, the classification criteria are not met. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required Contains sensitizer May produce		

concentration used, classification is not required Contains sensitizer May p an allergic reaction.Based on available data, the classification criteria are not met.

Respiratory Mutagenicity



Product/substance	Т	est	Eva	eriment	D	esult
		51	-			suit
hosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	OECD 471		Experiment: In Subject: Bacteri	a	Negative	
	OECD 474	Mammalian	Experiment: In		Negative	
	Erythrocyte Micronucleu	is Test	Subject: Mamm Cell: Somatic	alian-Animal		
Conclusion/Summary			-	ion criteria are not m	et.	
<b>Carcinogenicity</b>						
Conclusion/Summary	: Based on	available dat	a, the classificat	ion criteria are not m	et.	
Reproductive toxicity						
Product/substance	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Phosphorodithioic acid,	-	Negative	Negative	Rat	Oral: 30	-
mixed O,O-bis(sec-Bu and					mg/kg	
1,3-dimethylbutyl) esters, zinc salts					NOAEL	
Conclusion/Summary	: Based on	available dat	a, the classificat	l ion criteria are not m	et.	
<u>Teratogenicity</u>			,			
Conclusion/Summary	: Based on	available dat	a, the classificat	ion criteria are not m	et.	
Specific target organ toxici	<u>ty (single exp</u>	<u>oosure)</u>				
<b>Conclusion/Summary</b>	: Based on	available dat	a, the classificat	ion criteria are not m	et.	
Specific target organ toxici	ty (repeated e	<u>exposure)</u>				
Conclusion/Summary	: Based on	available dat	a, the classificat	ion criteria are not m	et.	
Aspiration hazard						
Produ	ct/substance	)		Res	ult	
♥istillates (petroleum), solve	nt-refined hea	vy paraffinic	ASPI	RATION HAZARD -	Category 1	
Conclusion/Summary	: Based on	available dat	a, the classificat	ion criteria are not m	et.	
Information on the likely routes of exposure	: Not availa	able.				
Potential acute health effects	<u>8</u>					
Eye contact	: No knowr	n significant e	ffects or critical h	nazards.		
Inhalation		-	ffects or critical l			
Skin contact	-		-	lryness and irritation.		
Ingestion	: No knowr	n significant e	ffects or critical h	nazards.		
Symptoms related to the phy	<u>/sical, chemi</u>	cal and toxic	ological charac	teristics		
Eye contact	: No specif	ic data.				
Inhalation	: No specif	ic data.				
Skin contact	: Adverse s irritation dryness cracking	symptoms ma	ay include the fol	lowing:		
Ingestion	: No specif	ic data				



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#### Delayed and immediate effects 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.
Defended delever defferete	<b>N N N N N N N N N N</b>

Potential delayed effects : Not available.

#### Potential chronic health effects

Product/substance	Result	Species	Dose	Exposure
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	Sub-acute NOAEL Oral	Rat	125 mg/kg	-
Conclusion/Summary	: Not available.			
General	: No known significant effects or critical hazards.			
Carcinogenicity	: 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.

#### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

#### 11.2.2 Other information

Not available.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/substance	Result	Species	Exposure	Test
Sistillates (petroleum), solvent-refined heavy paraffinic	Acute EC50 >100 mg/l	Algae - Pseudokirchnerella subcapitata	48 hours	OECD 201
•	Acute EC50 >10000 mg/l	Daphnia - Daphnia magna	48 hours	OECD 202
	Chronic NOEL 10 mg/l	Daphnia - <i>Daphnia magna</i>	21 days	OECD 211
	Chronic NOEL >1000 mg/l	Fish - Oncorhynchus mykiss	21 days	-
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 10000 mg/l	Daphnia - Daphnia magna	48 hours	OECD 202
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	Acute EC50 240 mg/l	Algae - Desmodesmus subspicatus	72 hours	-
	Acute EC50 75 mg/l	Daphnia - <i>Daphnia magna</i>	48 hours	-
	Acute LC50 4.4 mg/l	Fish	96 hours	-

**Conclusion/Summary** 

: Not available.

#### 12.2 Persistence and degradability

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Conclusion/Summary	: Not available.		
Product/substance	Aquatic half-life	Photolysis	Biodegradability
Calcium long chain alkaryl sulfonate	-	-	Not readily

#### 12.3 Bioaccumulative potential

Product/substance	LogKow	BCF	Potential
♥istillates (petroleum), solvent-refined heavy paraffinic	3.9 to 6	-	High
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	4	-	High

12.4 Mobility in soil	
Soil/water partition coefficient (K <sub>oc</sub> )	: Not available.
Mobility	: 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

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration >= 0,1 %.

#### 12.6 Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: 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.
Hazardous waste	: Yes.
	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions: 13 02 05*
<u>Packaging</u>	



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Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: 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**

	ADR/RID	ADN	IMDG	ICAO/IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

**14.6 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.

**14.7 Maritime transport in** : Not available. **bulk according to IMO** 

instruments

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

#### **Other EU regulations**

Industrial emissions: Not listed(integrated pollution<br/>prevention and control) -<br/>Air: Not listedIndustrial emissions<br/>(integrated pollution<br/>prevention and control) -<br/>Water: Not listed



## **Explosive precursors** : Not applicable.

#### Ozone depleting substances (1005/2009/EU) Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

#### National regulations

#### National regulatory information

GD 398/2010 on establishing measures for application of Regulation (EC) no. 1.272 / 2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC). 1.907 / 2006GD 477/2009 on establishing penalties for infringements of the provisions of Regulation (EC) no. 1.907 / 2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Agency for Chemicals, amending Directive 1999/45 / EC and repealing Regulation (EC) No . 793/93 and Regulation (EC) no. 1,488 / 94 Commission and Council Directive 76/769 / EEC and Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC of the CommissionGD 1218/2006 laying down minimum requirements for safety and health at work for the protection of workers from risks related to chemical agents

#### 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.

LU - Luxembourg prohibited chemicals in the workplace

Not listed.

#### Inventory list

Australia inventory (AIIC)	: 🕅 components are listed or exempted.	
Canada inventory (DSL/NDSL)	: 🕅 components are listed or exempted.	
China inventory (IECSC)	: All components are listed, exempted, or notified.	
Europe inventory (EC)	: 🕅 components are listed or exempted.	



Japan inventory	<ul> <li>Japan inventory (CSCL): All components are listed or exempted.</li> <li>Japan inventory (ISHL): Not determined.</li> </ul>	
New Zealand Inventory of Chemicals (NZIoC)	: 🕅 components are listed or exempted.	
Philippines inventory (PICCS)	: 🕅 components are listed or exempted.	
Korea inventory (KECI)	: 🕅 components are listed or exempted.	
Taiwan Chemical Substances Inventory (TCSI)	: 🗚 components are listed or exempted.	
Thailand inventory	: Not determined.	
Turkey inventory	: Not determined.	
United States inventory (TSCA 8b)	: 🗚 components are listed or exempted.	
Vietnam inventory	: Not determined.	
The information stated in this section relates solely to the conformity of the chemical product with the		

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

15.2 Chemical Safety	: Risk management measures and safety conditions of use are included in the
Assessment	relevant sections of the SDS

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

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Abbreviations and acronyms	<ul> <li>ACGIH = American Conference of Governmental Industrial Hygienists ATE = Acute Toxicity Estimate</li> </ul>
	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
	1272/2008]
	DNEL = Derived No Effect Level
	DMEL = Derived Minimal Effect Level
	EL50 = median Effective Loading
	EUH statement = CLP-specific Hazard statement
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	N/A = Not available
	NIOSH = National Institute of Occupational Safety and Health
	NOAEL = No Observed Adverse Effect Level
	NOEC No Observed Effect Concentration
	OEL = Occupational Exposure Limit
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	QSAR = Quantitative Structure–Activity Relationship
	REL = Recommanded Exposure Limit
	STEL = Short Term Exposure Limit
	TLV = Threshold Limit Value
	VOC = Volatile Organic Compound
	vPvB = Very Persistent and Very Bioaccumulative
	Unique Formula Identifier (UFI)
	UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material
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#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

#### Full text of abbreviated H statements

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₩304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Full text of classifications [CLP/GHS]	
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2
Aquatic Chronic 4	AQUATIC HAZARD (LONG-TERM) - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Repr. 2	TOXIC TO REPRODUCTION - Category 2
Skin Sens. 1B	SKIN SENSITIZATION - Category 1B

Date of revision	: 2023/10/20
previous revision date	: 2022/02/23
Version	: 2
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.