

TRAXIUM AXLE 8 80W-90

SDS # : 090531

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


1.1 Product identifier

Product name : TRAXIUM AXLE 8 80W-90

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

Identified uses
Transmission fluids

1.3 Details of the supplier of the safety data sheet

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Contact

H.S.E

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : Poisoning Information : +472 259 1300

Supplier

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 Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl, 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide, methyl methacrylate and Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.. 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 $\geq 0,1$ %.

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 not result in classification : Hazard of slipping on spilled product.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/substance	Identifiers	% (w/w)	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≤ 10	Asp. Tox. 1, H304	-	[1] [2]
Polysulfides, di-tert-Bu	REACH #: 01-2119540515-43 EC: 273-103-3 CAS: 68937-96-2	<4.6	Skin Sens. 1B, H317 Aquatic Chronic 3, H412	Skin Sens. 1B, H317: C $\geq 46\%$	[1]
Distillates (petroleum), solvent-dewaxed light paraffinic	REACH #: 01-2119480132-48 EC: 265-159-2 CAS: 64742-56-9 Index: 649-469-00-9	≤ 5	Asp. Tox. 1, H304	-	[1] [2]
Distillates (petroleum), solvent-dewaxed heavy	REACH #: 01-2119471299-27	≤ 5	Asp. Tox. 1, H304	-	[1] [2]



paraffinic	EC: 265-169-7 CAS: 64742-65-0 Index: 649-474-00-6				
Distillates (petroleum), hydrotreated light paraffinic	REACH #: 01-2119487077-29 EC: 265-158-7 CAS: 64742-55-8	≤5	Asp. Tox. 1, H304	-	[1] [2]
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	REACH #: 01-2119493620-38 EC: 931-384-6	<2.5	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	ATE [Oral] = 2000 mg/kg Eye Irrit. 2, H319: C ≥ 50% Skin Sens. 1, H317: C ≥ 9.39%	[1]
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	REACH #: 01-2119978530-33 EC: 939-591-3 CAS: 1471315-74-8	≤3	Aquatic Chronic 3, H412	-	[1]
2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide	EC: 280-479-2 CAS: 83547-95-9	<1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	-	[1]
methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT SE 3, H335	-	[1] [2]
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	REACH #: 01-2119971727-23 EC: 939-460-0	≤0.3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	-	[1] [3]

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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance of equivalent concern

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



SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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.
- 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Carbon monoxide
carbon dioxide
Silicon Dioxide
nitrogen oxides
phosphorus oxides
sulfur oxides
Hydrogen sulfide
Mercaptans

5.3 Advice for firefighters



- 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. 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. 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. Dispose of via a licensed waste disposal contractor.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
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

- 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)

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), hydrotreated heavy paraffinic	FOR-2011-12-06-1358 (Norway, 6/2021). [Oil mist (mineral oil particles)] TWA: 1 mg/m ³ 8 hours. Form: mineral oil particles
Distillates (petroleum), solvent-dewaxed light paraffinic	FOR-2011-12-06-1358 (Norway, 6/2021). [Oil vapor] TWA: 50 mg/m ³ 8 hours. Form: vapor
Distillates (petroleum), solvent-dewaxed heavy paraffinic	FOR-2011-12-06-1358 (Norway, 6/2021). [] TWA: 1 mg/m ³ 8 hours. Form: mineral oil particles TWA: 50 mg/m ³ 8 hours. Form: vapor
Distillates (petroleum), hydrotreated light paraffinic	FOR-2011-12-06-1358 (Norway, 6/2021). [] TWA: 1 mg/m ³ 8 hours. Form: mineral oil particles TWA: 50 mg/m ³ 8 hours. Form: vapor
methyl methacrylate	FOR-2011-12-06-1358 (Norway, 6/2021). Skin sensitizer. Notes: indicative limit value TWA: 25 ppm 8 hours. TWA: 100 mg/m ³ 8 hours. FOR-2011-12-06-1358 (Norway, 6/2021). Skin sensitizer. STEL: 400 mg/m ³ 15 minutes. STEL: 100 ppm 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.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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 : 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)

DNELs/DMELs



Product/substance	Type	Exposure	Value	Population	Effects
Distillates (petroleum), hydrotreated heavy paraffinic	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m ³	General population	Local
	DNEL	Long term Inhalation	2.73 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m ³	Workers	Local
Polysulfides, di-tert-Bu	DNEL	Long term Oral	0.167 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.66 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	3.33 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	86.88 mg/cm ²	General population	Local
	DNEL	Long term Dermal	173.75 mg/cm ²	Workers	Local
Distillates (petroleum), solvent-dewaxed light paraffinic	DNEL	Long term Inhalation	0.58 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	3.29 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m ³	General population	Local
Distillates (petroleum), solvent-dewaxed heavy paraffinic	DNEL	Long term Inhalation	2.73 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	5.58 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	1.19 mg/m ³	General population	Local
	DNEL	Long term Oral	740 µg/kg	General population	Systemic
Distillates (petroleum), hydrotreated light paraffinic	DNEL	Long term Dermal	970 µg/kg	Workers	Systemic
	DNEL	Long term Inhalation	2.73 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m ³	General population	Local
Distillates (petroleum), hydrotreated light paraffinic	DNEL	Long term Inhalation	2.73 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	5.4 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	1.2 mg/m ³	General population	Local
	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic



Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m ³	General population	Local
	DNEL	Long term Inhalation	2.73 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m ³	Workers	Local
	DNEL	Long term Dermal	12.5 mg/kg	Workers	Systemic
	DNEL	Long term Inhalation	4.28 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	6.25 mg/kg	General population	Systemic
	DNEL	Long term Inhalation	1.09 mg/m ³	General population	Systemic
	DNEL	Long term Oral	0.25 mg/day	General population	Systemic
	DNEL	Long term Dermal	0.16 mg/cm ²	Workers	Local
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	DNEL	Long term Inhalation	1.76 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	2.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.434 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	1.25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.25 mg/kg bw/day	General population	Systemic
2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide	DNEL	Long term Oral	83.3 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	83.3 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.145 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.233 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.822 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	8.2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	13.67 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	74.3 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	104 mg/m ³	General population	Local
	DNEL	Long term Inhalation	208 mg/m ³	Workers	Local
methyl methacrylate	DNEL	Long term Inhalation	208 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1.5 mg/cm ²	Workers	Local



Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol,heptyl derivs.	DNEL	Short term Dermal	1.5 mg/cm ²	Workers	Local
	DNEL	Long term Dermal	1.5 mg/cm ²	General population	Local
	DNEL	Short term Dermal	1.5 mg/cm ²	General population	Local
	DNEL	Short term Dermal	1.5 mg/cm ²	General population	Local
	DNEL	Long term Dermal	1.5 mg/cm ²	General population	Local
	DNEL	Short term Dermal	1.5 mg/cm ²	Workers	Local
	DNEL	Long term Dermal	1.5 mg/cm ²	Workers	Local
	DNEL	Long term Oral	8.2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	208 mg/m ³	General population	Local
	DNEL	Short term Inhalation	416 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	2.35 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	66.7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.58 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	33.33 mg/kg bw/day	General population	Systemic
DNEL	Long term Oral	0.33 mg/kg bw/day	General population	Systemic	

PNECs

Product/ingredient name	Compartment Detail	Name	Method Detail
Distillates (petroleum), hydrotreated heavy paraffinic Polysulfides, di-tert-Bu	Secondary Poisoning	9.33 mg/kg	-
	Fresh water	0.00024 mg/l	-
	Marine water	0.00024 mg/l	-
	Fresh water sediment	0.94 mg/kg dwt	-
	Marine water sediment	0.094 mg/kg dwt	-
	Soil	1513 mg/kg	-
	Sewage Treatment Plant	4.51 mg/l	-
	Distillates (petroleum), solvent-dewaxed heavy paraffinic Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl	Secondary Poisoning	9.33 mg/kg
Fresh water		2.4 µg/l	-
Marine water		240 ng/l	-
Fresh water sediment		12.9 µg/kg dwt	-
Marine water sediment		1.29 µg/kg dwt	-
Soil		1.17 µg/kg dwt	-
Sewage Treatment Plant		24.33 mg/l	-
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl		Secondary Poisoning	10 mg/kg
	Fresh water	0.0024 mg/l	-
	Marine water	0.00024 mg/l	-
	Fresh water sediment	1085.06 mg/kg	-



methyl methacrylate	Marine water sediment	dwt 108.51 mg/kg dwt	-	
	Soil	880.82 mg/kg dwt	-	
	Sewage Treatment Plant	32 mg/l	-	
	Fresh water	0.94 mg/l	-	
	Marine water	0.94 mg/l	-	
	Fresh water sediment	5.74 mg/kg dwt	-	
	Soil	1.47 mg/kg dwt	-	
	Sewage Treatment Plant	10 mg/l	-	
	Reaction product of 1,3,4-thiadiazolidine-2,5-dithione,formaldehyde and phenol,heptyl derivs.	Fresh water	0.026 mg/l	-
		Marine water	0.0026 mg/l	-
Fresh water sediment		1108.6 mg/kg dwt	-	
Marine water sediment		110.86 mg/kg dwt	-	
Soil		221.48 mg/kg dwt	-	
Sewage Treatment Plant		45.5 mg/l	-	

8.2 Exposure controls

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

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 : 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.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.



- 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** : 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).
- 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

Appearance

- Physical state** : Liquid. [limpid]
- Color** : Brown.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : Not applicable. Product is non-soluble (in water).
- Melting point/freezing point** : Technically not possible to measure
- Initial boiling point and boiling range** : 316°C [ISO 3405]
- Flash point** : Open cup: >160°C [ASTM D 92]
- Evaporation rate** : Not available.
- Flammability** : Not applicable.
- Lower and upper explosion limit** : Lower: 0.9%
Upper: 7%
- Vapor pressure** : 0.013 kPa [room temperature]
Not applicable. [50°C]
- Vapor density** : 2 [Air = 1]
- Relative density** : 0.89 to 0.91 [ISO 12185]
- Density** : 0.89 to 0.91 g/cm³ [15°C] [ISO 12185]
- Solubility(ies)** :

Media	Result
<input checked="" type="checkbox"/> water	Not soluble

- Miscible with water** : No.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not applicable.
- Viscosity** : Kinematic (40°C): 125 to 145 mm²/s [ASTM D 445]
- Particle characteristics**
- Median particle size** : Not applicable.

9.2 Other information

- Pour point** : 40°C (-40°F)

**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** : carbon monoxide
carbon dioxide
Silicon Dioxide
nitrogen oxides
phosphorus oxides
sulfur oxides
Hydrogen sulfide
Mercaptans

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
<input checked="" type="checkbox"/> Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat - Male, Female	>5 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-	OECD 402
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-	OECD 401
Polysulfides, di-tert-Bu	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-	OECD 402
	LDLo Oral	Rat - Male, Female	2000 mg/kg	-	OECD 401
Distillates (petroleum), solvent-dewaxed light paraffinic	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 401
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 420
Distillates (petroleum), hydrotreated light paraffinic	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 420
	LD50 Oral	Rat	>5000 mg/kg	-	OECD 420
Reaction products of 4-methyl-2-pentanol and	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	-



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diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral LD50 Dermal	Rat Rat Rabbit Rat Rabbit	80.4 mg/l 20.1 mg/l 2201 mg/kg 2000 mg/kg >2000 mg/kg	1 hours 4 hours - - -	- - - OECD 401 OECD 402
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	LD50 Oral	Rat - Female	>2000 mg/kg	-	OECD 420
2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide	LC50 Inhalation Dusts and mists	Rat	5.1 mg/l	4 hours	-
	LD50 Dermal LD50 Oral	Rabbit Rat	2500 mg/kg 3313 mg/kg	- -	- -
methyl methacrylate	LC50 Inhalation Vapor LD50 Dermal LD50 Oral LD50 Dermal	Rat Rabbit Rat Rat	29.8 mg/l >5 g/kg 7872 mg/kg >2000 mg/kg	4 hours - - -	- OECD 402 - OECD 402
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	LD50 Dermal LD50 Oral	Rat Rat	>2000 mg/kg >2000 mg/kg	- -	- OECD 402

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

Acute toxicity estimates

Product/substance	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
TRAXIUM AXLE 8 80W-90	100000	N/A	N/A	N/A	N/A
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	2000	2201	N/A	20.1	5.1
2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide	3313	2500	N/A	N/A	5.1
methyl methacrylate	7872	N/A	N/A	29.8	N/A

Irritation/Corrosion

Product/substance	Result	Species	Score	Exposure	Test
Polysulfides, di-tert-Bu	Eyes - Cornea opacity	Rabbit	0	-	OECD 405
	Skin - Erythema/Eschar	Rabbit	2	-	OECD 404
methyl methacrylate	Skin - Irritant	Rabbit	-	4 hours	-

Conclusion/Summary

- Skin** : Based on available data, the classification criteria are not met.
- Eyes** : Based on available data, the classification criteria are not met.
- Respiratory** : Based on available data, the classification criteria are not met.

**Sensitization**

Product/substance	Route of exposure	Species	Result
Polysulfides, di-tert-Bu methyl methacrylate	skin	Guinea pig	Sensitizing
	skin	Mouse	Sensitizing

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met. Contains sensitizer. May produce an allergic reaction.

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

Mutagenicity

Product/substance	Test	Experiment	Result
Polysulfides, di-tert-Bu	OECD 471	Experiment: In vitro Subject: Bacteria	Negative
	OECD 473	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 476	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative

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

Carcinogenicity

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

Reproductive toxicity

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

Teratogenicity

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

Specific target organ toxicity (single exposure)

Product/substance	Category	Route of exposure	Target organs
Methyl methacrylate	Category 3	-	Respiratory tract irritation

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

Product/substance	Result
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1

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

Information on the likely routes of exposure : Not available.

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 effects 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 effects

Product/substance	Result	Species	Dose	Exposure
Polysulfides, di-tert-Bu	Sub-acute NOAEL Oral	Rat - Male, Female	100 mg/kg	-

Conclusion/Summary : Not available.
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

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	
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201	
	Acute EC50 >10000 mg/l	Crustaceans - Daphnia magna	48 hours	OECD 202	
	Chronic NOEL >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201	
	Chronic NOEL >1000 mg/l	Crustaceans - Daphnia magna	21 days	-	
Polysulfides, di-tert-Bu	Acute EC50 >100 mg/l	Algae	72 hours	-	
Distillates (petroleum), solvent-dewaxed light paraffinic	Acute EC50 63 mg/l	Daphnia - Daphnia magna	48 hours	-	
	Acute EL50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201	
	Acute EL50 10000 mg/l	Crustaceans - Daphnia magna	48 hours	OECD 202	
	Acute EL50 ≥100 mg/l	Fish - Pimephales promelas	96 hours	OECD 203	
	Chronic NOEL >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201	
	Chronic NOEL >1000 mg/l	Crustaceans - Daphnia magna	21 days	OECD 211	
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Acute EL50 >10000 mg/l	Crustaceans - Daphnia magna	48 hours	OECD 202
		Acute LL50 >1000 mg/l	Fish - Oncorhynchus mykiss	96 hours	OECD 203
Chronic NOEL >1000 mg/l		Crustaceans - Daphnia magna	21 days	OECD 211	
Distillates (petroleum), hydrotreated light 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 - Daphnia magna	21 days	OECD 211	
	Chronic NOEL >1000 mg/l	Fish - Oncorhynchus mykiss	21 days	-	
	Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl	Acute EC50 6.4 mg/l	Algae - Pseudokirchneriella subcapitata	96 hours	OECD 201
Acute EL50 91.4 mg/l		Crustaceans - Daphnia Magna	48 hours	OECD 202	
Acute LL50 24 mg/l		Fish - Oncorhynchus mykiss	96 hours	OECD 203	
Chronic NOEC 1.7 mg/l		Algae - Pseudokirchneriella subcapitata	96 hours	OECD 201	
Chronic NOEL 0.12 mg/l		Crustaceans - Daphnia Magna	21 days	OECD 211	
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	Acute EC50 2.4 mg/l	Algae - Pseudokirchnerella subcapitata	72 hours	OECD 201	



2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyl)oxy]-2-oxoethyl]thio]-7-oxo-8-oxa-3,5-dithia-4-phosphatetradecanoate 4-oxide	Acute EC50 91 mg/l Chronic NOEL 1 mg/l	Daphnia - Daphnia Magna Algae - Pseudokirchnerella subcapitata	48 hours 21 days	OECD 202 OECD 201
	Acute EC50 3.1 mg/l	Algae	72 hours	-
methyl methacrylate	Acute EC50 12.5 mg/l Acute LC50 4.3 mg/l Acute EC50 110 mg/l	Daphnia - Daphnia magna Fish Algae - Selenastrum capricornutum	48 hours 96 hours 72 hours	- - -
	Acute EC50 69 mg/l Acute LC50 79 mg/l Chronic NOEC 37 mg/l Acute EC50 25 mg/l	Daphnia - Daphnia magna Fish Daphnia - Daphnia magna Algae - Pseudokirchnerella subcapitata	48 hours 96 hours 21 days 72 hours	- - - -
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	Acute EC50 75 mg/l Acute LC50 26 mg/l Chronic NOEC 0.12 mg/l	Daphnia - Daphnia magna Fish Daphnia - Daphnia magna	48 hours 96 hours 21 days	- - -

12.2 Persistence and degradability

Product/substance	Test	Result	Dose	Inoculum
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F	31 % - Not readily - 28 days	-	Activated sludge
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD 301F	31 % - Not readily - 28 days	-	Activated sludge
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 301F	31 % - Not readily - 28 days	-	Activated sludge
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl	STDMETH, ASTM and USEPA	3 % - Not readily - 28 days	-	Activated sludge

Conclusion/Summary : Not available.

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Not readily
Polysulfides, di-tert-Bu	-	-	Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	-	-	Not readily
Distillates (petroleum), solvent-dewaxed heavy paraffinic	-	-	Not readily
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide,	-	-	Not readily



and salted by amines, C12-14- tert-alkyl Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	-	-	Not readily
2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl] thio]-7-oxo-8-oxa-3,5-dithia- 4-phosphatetradecanoate 4-oxide	-	-	Not readily
methyl methacrylate	-	-	Readily

12.3 Bioaccumulative potential

Product/substance	LogK _{ow}	BCF	Potential
Distillates (petroleum), hydrotreated heavy paraffinic	>4	-	high
Polysulfides, di-tert-Bu	6	-	high
Distillates (petroleum), solvent-dewaxed light paraffinic	3.1	-	low
Distillates (petroleum), solvent-dewaxed heavy paraffinic	9.2	260	low
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl	0.3 to 7.1	-	low
Reaction products of alcohols, c14-18, c18 unsat, esterified with phosphorus pentoxide and with amines, c12-14, tert-alkyl	5.7	8	low
methyl methacrylate	1.38	2.97	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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 $\geq 0,1$ %.

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

Product

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*

Packaging

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 bulk according to IMO instruments : Not available.

**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

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	Substance of equivalent concern for environment	Candidate	-	-

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Industrial emissions (integrated pollution prevention and control) - Air : Listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

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**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 (AIC)	: <input checked="" type="checkbox"/> All components are listed or exempted.
Canada inventory (DSL/NDSL)	: <input checked="" type="checkbox"/> All components are listed or exempted.
China inventory (IECSC)	: All components are listed or exempted.
Europe inventory (EC)	: <input checked="" type="checkbox"/> All components are listed or exempted.
Japan inventory	: Japan inventory (CSCL) : At least one component is not listed. Japan inventory (ISHL) : Not determined.
New Zealand Inventory of Chemicals (NZIoC)	: <input checked="" type="checkbox"/> All components are listed or exempted.
Philippines inventory (PICCS)	: All components are listed or exempted.
Korea inventory (KECI)	: <input checked="" type="checkbox"/> All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI)	: <input checked="" type="checkbox"/> All components are listed or exempted.
Thailand inventory	: Not determined.
Turkey inventory	: <input checked="" type="checkbox"/> All components are listed or exempted.
United States inventory (TSCA 8b)	: All 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 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 Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 DMEL = Derived Minimal Effect Level
 EUH statement = CLP-specific Hazard statement
 N/A = Not available
 PBT = Persistent, Bioaccumulative and Toxic
 vPvB = Very Persistent and Very Bioaccumulative
 PNEC = Predicted No Effect Concentration
 LC50 = Median lethal concentration
 LD50 = Median lethal dose



OEL = Occupational Exposure Limit
 VOC = Volatile Organic Compound
 UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material
 NOEC No Observed Effect Concentration
 QSAR = Quantitative Structure–Activity Relationship

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

H225 H302 H304 H315 H317 H318 H319 H335 H411 H412	Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
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Full text of classifications [CLP/GHS]

Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT SE 3	ACUTE TOXICITY - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3
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Date of revision : 2023/04/14

previous revision date : 2021/05/12

Version : 2

Notice to reader



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TRAXIUM AXLE 8 80W-90

SDS # : 090531

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