

Safety Data Sheet



SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Texaco Gear Oil GL-5 SAE 80W-90, 85W-140

Product Number(s): 804574, 804575

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

Identified Uses: Axle Oil

1.3 Details of the supplier of the safety data sheet

Chevron Products UK Limited
1 Westferry Circus
Canary Wharf
London E14 4HA
United Kingdom
email : eumsds@chevron.com

1.4 Emergency telephone number

Transportation Emergency Response

Europe: 0044/(0)18 65 407333 and CHEMTREC: +1 703 527 3887

Health Emergency

Chevron Emergency Information Center: Located in the USA, international calls accepted 24 hours: +1 510 231 0623

Europe: 0044/(0)18 65 407333

Product Information

Product Information: FAX number: 0044/20 77 19 5171

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP CLASSIFICATION:

- Chronic aquatic toxicant: Category 3, H412; Harmful to aquatic life with long lasting effects.

2.2 Label elements

Under the criteria of GB CLP:

HAZARD STATEMENTS:

Environmental Hazards:

- Harmful to aquatic life with long lasting effects (H412).

- contains: Polysulfides, di-tert-Bu. May produce an allergic reaction.

Phosphoric acid ester, amine salt. May produce an allergic reaction.
 Phosphorous Acid, tri-C12-14-alkyl esters. May produce an allergic reaction.

PRECAUTIONARY STATEMENTS:

Prevention:

- Avoid release to the environment (P273).

Disposal:

- Dispose of contents and container in accordance with applicable local, regional, national, and international regulations (P501).

Supplemental Hazard Information (EU): Repeated exposure may cause skin dryness or cracking (EUH066).

2.3 Other hazards

Heating may release highly toxic and flammable hydrogen sulfide (H₂S). Do not attempt rescue without supplied-air respiratory protection. This material does not contain a substance considered to have endocrine disrupting properties at levels of 0.1% weight or higher. This material does not contain a substance considered to be PBT or vPvB at levels of 0.1% weight or higher.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

This material is a mixture.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	GB CLP CLASSIFICATION	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	*	**	None	70 - 99 %weight
Methacrylate Copolymer	Mixture	Confidential	**	Eye Irrit. 2/H319	0.1 - < 2.5 %weight
Polysulfides, di-tert-Bu	68937-96-2	273-103-3	**	Aquatic Acute 1/H400 [M=1]; Aquatic Chronic 1/H410 [M=1]; Skin Sens. 1/H317 [C>=1.8]	0.1 - < 2.5 %weight
Phosphoric acid ester, amine salt	Mixture	931-384-6	**	Aquatic Chronic 2/H411; Eye Dam. 1/H318 [C>=50]; Flam. Liq. 3/H226; Acute Tox. 4/H302; Skin Sens. 1/H317 [C>=9.4]	0.1 < 1 %weight
Phosphorous Acid, tri-C12-14-alkyl esters	93686-48-7	297-701-9	**	Skin Sens. 1B/H317	0.1 - < 1 %weight
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Not applicable	434-280-4	UK-01-6794183075-3	Aquatic Acute 1/H400 [M=1]; Aquatic Chronic 1/H410 [M=1]; Eye Irrit. 2/H319; Skin Irrit. 2/H315; STOT RE 2/H373	0.1 - < 1 %weight
(Z)-Octadec-9-	112-90-3	204-015-5	**	Asp. Tox. 1/H304;	0.1 - < 0.25

enylamine				Aquatic Acute 1/H400 [M=10]; Aquatic Chronic 1/H410 [M=10]; Acute Tox. 4/H302; Skin Corr. 1B/H314; STOT RE 2/H373; STOT SE 3/H335	%weight
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The full text of all CLP H-statements is shown in Section 16.

In accordance with reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation contain <3% DMSO extract and are not carcinogenic.

*Contains one or more of the following EINECS numbers: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7, 265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2.

**Not available or substance is not currently required for registration under UK REACH.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. If exposure to hydrogen sulfide (H₂S) gas is possible during an emergency, wear an approved, positive pressure air-supplying respirator. Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

IMMEDIATE SYMPTOMS AND HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing. Hydrogen sulfide has a strong rotten-egg odor. However, with continued exposure and at high levels, H₂S may deaden a person's sense of smell. If the rotten egg odor is no longer noticeable, it may not necessarily mean that exposure has stopped. At low levels, hydrogen sulfide causes irritation of the eyes, nose, and throat. Moderate levels can cause headache, dizziness, nausea, and vomiting, as well as coughing and difficulty breathing. Higher levels can cause shock, convulsions, coma, and death. After a serious exposure, symptoms usually begin immediately.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed

Note to Physicians: Administration of 100% oxygen and supportive care is the preferred treatment for

poisoning by hydrogen sulfide gas. For additional information on H₂S, see Chevron SDS No. 301.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

5.2 Special hazards arising from the substance or mixture

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of Sulfur .

5.3 Advice for firefighters

This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Observe all relevant local and international regulations. Eliminate all sources of ignition in vicinity of spilled material. Keep out unnecessary and unprotected personnel. Persons entering the contaminated area to correct the problem or to determine whether it is safe to resume normal activities must comply with all instructions in the Exposure Controls/Personal Protection section. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions

Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as appropriate or required.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Precautionary Measures: Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe gas. Wash thoroughly after handling.

Unusual Handling Hazards: Toxic quantities of hydrogen sulfide (H₂S) may be present in storage tanks and bulk transport vessels which contain or have contained this material. Persons opening or entering these compartments should first determine if H₂S is present. See Exposure Controls/Personal Protection -Section 8. Do not attempt rescue of a person over exposed to H₂S without wearing approved supplied-air or self-contained breathing equipment. If there is a potential for exceeding one-half the occupational exposure standard, monitoring of hydrogen sulfide levels is required. Since the sense of smell cannot be relied upon to detect the presence of H₂S, the concentration should be measured by the use of fixed or

portable devices.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

7.2 Conditions for safe storage, including any incompatibilities

Not Applicable

7.3 Specific end use(s):Axle Oil

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, refer to PPE information below.

Factors that affect PPE include, but are not limited to: properties of the chemical, other chemicals which may contact the same PPE, physical requirements (fit & sizing, cut/puncture protection, dexterity, thermal protection, etc.), and potential allergic reactions to the PPE material. It is the responsibility of the user to read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters

Occupational Exposure Limits:

Component	Country/ Agency	Form	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	United Kingdom	--	5 mg/m3	10 mg/m3	--	--

Consult local authorities for appropriate values.

8.2 Exposure controls

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

Skin Protection: Wear chemical personal protective equipment (PPE) to prevent skin contact. Selection of chemical protective clothing should be performed by an Occupational Hygienist or Safety Professional and be based upon applicable standards (ASTM F739 or EN 374). Using chemical PPE depends upon operations conducted and may include chemical gloves, boots, chemical apron, chemical suit, and complete facial protection. **Refer to PPE manufacturers to obtain breakthrough time information to determine how long PPE can be used before it needs to be replaced.** Unless specific glove

manufacturer data indicates otherwise, the below table is based upon available industry data to assist in the glove selection process and is intended to be used as reference only.

Chemical Glove Material	Thickness (mm)	Typical Breakthrough Time (minutes)
Butyl	0.7	120
Nitrile	0.8	240
Viton Butyl	0.3	240

Respiratory Protection: A site-specific risk assessment should be conducted by an Occupational Hygienist or a Safety Professional to determine the type and use of respiratory protective equipment. When a site-specific risk assessment determines that respiratory protection is required, use an approved respirator such as:

Air purifying respirator -

If airborne concentration limits exceed the applicable occupational exposure limit, but are below the maximum use concentration.

Vapors only: organic vapor cartridge (filter type A3 per EN 529:2005).

Vapors and particulates (including generated mists): both an organic vapor cartridge & particulate filter (AP3 filter per EN 529:2005).

Refer to respirator manufacturers to obtain service life of cartridge / filter.

Positive pressure air-supplying respirator -

If airborne concentration limits exceed the maximum use concentration offered from an air purifying respirator.

If hydrogen sulfide (H2S) airborne concentrations exceed its applicable occupational exposure limits due to this material being heated. For more information on H2S, see Chevron SDS 301.

Refer to EN 529:2005, USA OSHA 1910.134, and/or other applicable local/regional/national/international standards for regulatory requirements.

ENVIRONMENTAL EXPOSURE CONTROLS:

See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties

Appearance

Color: Amber

Physical State: Liquid

Odor: Petroleum odor

Odor Threshold: No data available

pH: Not Applicable

Melting Point: No data available

Freezing Point: No data available

Initial Boiling Point: No data available

Flashpoint: (Cleveland Open Cup) 212 °C - 214 °C (414 °F - 417 °F) (Typical)

Evaporation Rate: No data available

Flammability (solid, gas): Not Applicable

Flammability (Explosive) Limits (% by volume in air):

Lower: Not Applicable Upper: Not Applicable

Vapor Pressure: No data available

Relative Vapor Density: No data available

Density: 0.8825 kg/l - 0.909 kg/l @ 15°C (59°F) (Typical)
Solubility: Soluble in hydrocarbon solvents; insoluble in water.
Partition coefficient n-octanol/water (logarithmic value): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Kinematic Viscosity: 130 mm²/s - 361 mm²/s @ 40°C (104°F) (Typical)
Explosive Properties: No Data Available
Oxidising properties: No Data Available

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Not applicable

10.5 Incompatible materials to avoid: Not applicable

10.6 Hazardous decomposition products: Alkyl Mercaptans (Elevated temperatures), Hydrogen Sulfide (Elevated temperatures)

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Product Information:

Serious Eye Damage/Irritation: The material is not considered an eye irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Corrosion/Irritation: The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Sensitization: The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (dermal): Not Applicable

Acute Oral Toxicity: The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (oral): Not Applicable

Acute Inhalation Toxicity: The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (inhalation): Not Applicable

Germ Cell Mutagenicity: The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Carcinogenicity: The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Reproductive Toxicity: The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Single Exposure: The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Repeated Exposure: The material is not considered a target organ toxicant (repeated exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Aspiration Hazard: The material is not considered an aspiration hazard.

Component Information:

Serious Eye Damage/Irritation:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Test Result: Causes eye irritation
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Test Result: Causes serious eye damage
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Test Result: Causes eye irritation
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Skin Corrosion/Irritation:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Test Result: Causes skin irritation
(Z)-Octadec-9-enylamine	Test Result: Causes severe skin burns and eye damage

Skin Sensitization:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Test Result: May cause allergic skin reaction
Phosphoric acid ester, amine salt	Test Result: May cause allergic skin reaction
Phosphorous Acid, tri-C12-14-alkyl esters	Protocol: OECD 429 - Skin Sensitization Test Result: May cause allergic skin reaction
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Acute Dermal Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Acute Oral Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Test Qualifier: LD50 Test Result: 2000 mg/kg Species: rat
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Test Qualifier: LD50 Test Result: 300-2000 mg/kg Species: rat

Acute Inhalation Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Germ Cell Mutagenicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-	Based on available data, the classification criteria are not met

butylphosphate	
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Carcinogenicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Reproductive Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - Single Exposure:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Based on available data, the classification criteria are not met
(Z)-Octadec-9-enylamine	Test Result: May cause respiratory irritation

Specific Target Organ Toxicity - Repeated Exposure:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Based on available data, the classification criteria are not met
Phosphoric acid ester, amine salt	Based on available data, the classification criteria are not met
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Test Result: May cause damage to organs through prolonged and repeated exposure

(Z)-Octadec-9-enylamine	Test Result: May cause damage to organs through prolonged and repeated exposure
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11.2 Information on other hazards

No other hazards identified.

SECTION 12 ECOLOGICAL INFORMATION

Product Information:

12.1 Toxicity

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

12.2 Persistence and degradability

This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

12.3 Bioaccumulative potential

Bioconcentration Factor: No Data Available

Partition coefficient n-octanol/water (logarithmic value): No data available

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This material does not meet the criteria for PBT or vPvB.

12.6 Endocrine Disrupting Properties

This mixture does not contain any substances that are assessed as having endocrine disrupting properties.

12.7 Other adverse effects

No other adverse effects identified.

Component Information:

Acute Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Test Qualifier: LC50 Test Result: <=1 mg/l Species: Invertebrate Duration:48 hour(s)
Phosphoric acid ester, amine salt	Test Qualifier: LC50 Test Result: 2-10 mg/l Species: Fish Duration:96 hour(s)
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Protocol: 40CFR797.1050-Alga Acute Tox Test Qualifier: EC50 Test Result: <=1 mg/l (WAF) Species: Algae Duration:72 hour(s)
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono-	Protocol: 40CFR797.1050-Alga Acute Tox Test Qualifier: EC50 Test Result: <=1 mg/l

and di-butylphosphate	Species: Algae Duration:3 hour(s)
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Protocol: 40CFR797.1300-Daphnid Acute Test Qualifier: EC50 Test Result: <=1 mg/l (WAF) Species: Invertebrate Duration:48 hour(s)
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Protocol: 40CFR797.1400-Fish Acute Tox Test Qualifier: LC50 Test Result: <=1 mg/l (WAF) Species: Fish Duration:96 hour(s)
(Z)-Octadec-9-enylamine	Test Qualifier: EC50 Test Result: <=1 mg/l Species: Invertebrate Duration:48 hour(s) * read-across data from similar material
(Z)-Octadec-9-enylamine	Test Qualifier: EC50 Test Result: <=1 mg/l Species: Algae Duration:72 hour(s)
(Z)-Octadec-9-enylamine	Test Qualifier: LC50 Test Result: <=1 mg/l Species: Fish Duration:96 hour(s) * read-across data from similar material

Long-term Toxicity:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	No test data available
Phosphoric acid ester, amine salt	No test data available
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	No test data available
(Z)-Octadec-9-enylamine	No test data available

Biodegradation:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	Test Result: Not readily biodegradable
Phosphoric acid ester, amine salt	Protocol: OECD 301B-Modified Sturm Test Result: Not readily biodegradable Biodegradation: 9.4%
Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono- and di-butylphosphate	Test Result: Not readily biodegradable
(Z)-Octadec-9-enylamine	Test Result: Readily biodegradable

Bioaccumulative Potential:	
Highly refined mineral oil (C15 - C50)	Based on available data, the classification criteria are not met
Methacrylate Copolymer	Based on available data, the classification criteria are not met
Polysulfides, di-tert-Bu	No test data available
Phosphoric acid ester, amine salt	No test data available

Phosphorous Acid, tri-C12-14-alkyl esters	Based on available data, the classification criteria are not met
Reaction mass of Octadec-9-en-1-yl ammonium di-n-hexyl phosphorodithioate and Octadec-9-en-1-yl ammonium mono-and di-butylphosphate	No test data available
(Z)-Octadec-9-enylamine	No test data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

In accordance with European Waste Catalogue (E.W.C.) the codification is the following: 13 02 05

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

ICAO / IATA

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

IMO / IMDG

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

14.7 Maritime Transport in Bulk according to IMO Instruments: Not applicable

SECTION 15 REGULATORY INFORMATION

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

REGULATORY LISTS SEARCHED:

01=EU Directive 76/769/EEC: Restrictions on the marketing and use of certain dangerous substances.
02=EU Directive 90/394/EEC: Carcinogens at work.
03=EU Directive 92/85/EEC: Pregnant or breastfeeding workers.
04=EU Directive 2012/18/EU: Seveso III.
05=EU Directive 98/24/EC: Chemical agents at work.
06=EU Directive 2004/37/EC: On the protection of workers.
07=EU Regulation EC No. 689/2008: Annex 1, Part 1.
08=EU Regulation EC No. 689/2008: Annex 1, Part 2.
09=EU Regulation EC No. 689/2008: Annex 1, Part 3.
10=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).
11=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.
12=EU REACH, Annex XIV: Authorization List or Candidate List of Substances of Very High Concern for Authorization (SVHC).

The following components of this material are found on the regulatory lists indicated.

(Z)-Octadec-9-enylamine 04, 05

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AIC (Australia), DSL (Canada), IECSC (China), NZIoC (New Zealand), TCSI (Taiwan), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).

15.2 Chemical safety assessment

No chemical safety assessment.

SECTION 16 OTHER INFORMATION

REVISION STATEMENT: SECTION 02 - Supplemental Hazard information was added.

SECTION 02 - Supplemental Hazard information was modified.

SECTION 02.2 - Hazardous Component Identification List information was modified.

SECTION 03 - Composition information was modified.

SECTION 03 - Ingredient Comment information was deleted.

SECTION 04 - First Aid - Skin information was modified.

SECTION 04 - Immediate Health Effects - Skin information was modified.

SECTION 08 - Respiratory Protection information was added.

SECTION 08 - Respiratory Protection information was modified.

SECTION 09 - Physical/Chemical Properties information was modified.

SECTION 11 - Toxicological Information information was modified.

SECTION 12 - Ecological Information information was added.

SECTION 12 - Ecological Information information was modified.

SECTION 15 - Regulatory Information information was added.

SECTION 16 - Full Text of H-Statements information was modified.

Revision Date: November 20, 2024

Full text of CLP H-statements:

Asp. Tox. 1/H304; May be fatal if swallowed and enters airways

Aquatic Acute 1/H400; Very toxic to aquatic life

Aquatic Chronic 1/H410; Very toxic to aquatic life with long lasting effects

Aquatic Chronic 2/H411; Toxic to aquatic life with long lasting effects

Eye Dam. 1/H318; Causes serious eye damage

Eye Irrit. 2/H319; Causes serious eye irritation
Flam. Liq. 3/H226; Flammable liquid and vapor
Acute Tox. 4/H302; Harmful if swallowed
Skin Sens. 1/H317; May cause an allergic skin reaction
Skin Corr. 1B/H314; Causes severe skin burns and eye damage
Skin Irrit. 2/H315; Causes skin irritation
STOT RE 2/H373; May cause damage to organs through prolonged or repeated exposure
STOT SE 3/H335; May cause respiratory irritation

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
CVX - Chevron	CAS - Chemical Abstract Service Number
NQ - Not Quantifiable	

Prepared according to the UK REACH by Chevron.

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No Annex