

# Safety Data Sheet



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

### 1.1 Product identifier

**Geartex LS SAE 85W-90**

**Product Number(s):** 820843

### 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:

Not classified as dangerous according to EU regulatory guidelines.

### 2.2 Label elements

Under the criteria of Regulation (EC) No 1272/2008 (CLP):

Not classified

- contains:
- Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide salted by amines, C12-14-tert-alkyl. May produce an allergic reaction.
  - Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.. May produce an allergic reaction.

### 2.3 Other hazards

This product is not, or does not contain, a substance that is a potential PBT or a vPvB. This product contains a substance that has been identified as potentially having endocrine disrupting properties:

|             |   |
|-------------|---|
| - contains: | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. |
|-------------|---|

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.2 Mixtures

This material is a mixture.

| COMPONENTS  | CAS NUMBER   | EC NUMBER    | REGISTRATION NUMBER | CLP CLASSIFICATION   | AMOUNT              |
|---|--------------|--------------|---------------------|--|---------------------|
| Highly refined mineral oil (C15 - C50)  | Mixture      | *            | ***                 | None   | 70 - 99 %weight     |
| Alkylamine salt of alkyl phosphoric acid  | Confidential | Confidential | **                  | Aquatic Chronic 4/H413   | 1 - 5 %weight       |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Mixture      | 931-384-6    | 01-2119493620-38    | Aquatic Chronic 2/H411; Eye Dam. 1/H318 [C>=50]; Acute Tox. 4/H302; Skin Sens. 1B/H317 [C>=9.39]   | 0.1 - < 2.5 %weight |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.   | Proprietary  | 939-460-0    | 01-2119971727-23    | Aquatic Chronic 3/H412; Eye Dam. 1/H318; Flam. Liq. 3/H226; Skin Sens. 1B/H317; Skin Irrit. 2/H315 | 0.1 - < 1 %weight   |

The full text of all CLP H-statements is shown in Section 16.

In accordance with the Regulation (EC)No 1272/2008, Nota L, reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation 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 REACH.

\*\*\* Contains one or more of the following REACH registration numbers: 01-2119488706-23, 01-2119487067-30, 01-2119487081-40, 01-2119483621-38, 01-2119480374-36, 01-2119488707-21, 01-2119467170-45, 01-2119480375-34, 01-2119484627-25, 01-2119480132-48, 01-2119487077-29, 01-2119489287-22, 01-2119480472-38, 01-2119471299-27, 01-2119485040-48, 01-2119555262-43, 01-2119495601-36, 01-2119474889-13, 01-2119474878-16.

## 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:** No specific first aid measures are required. As a precaution, remove clothing and shoes if

contaminated. 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.

#### **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:** Contact with the skin is not expected to be harmful.

**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.

**DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS:** Not classified.

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

Not applicable.

### **SECTION 5 FIRE FIGHTING MEASURES**

#### **5.1 Extinguishing media**

Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) 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: Nitrogen, Phosphorus, 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**

Eliminate all sources of ignition in vicinity of spilled material. 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. Wash thoroughly after handling.

**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 work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should 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/<br>Agency | Form | TWA     | STEL     | Ceiling | Notation |
|---|--------------------|------|---------|----------|---------|----------|
| Highly refined mineral oil<br>(C15 - C50) | United<br>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:** No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

**Skin Protection:** No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in

the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

**Respiratory Protection:** No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

#### **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:** Brown to yellow

**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) 182 °C (360 °F) (Minimum)

**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

**Vapor Density (Air = 1):** No data available

**Density:** 0.8670 kg/l @ 15°C (59°F) (Typical)

**Solubility:** Soluble in hydrocarbons; insoluble in water

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** 177 mm<sup>2</sup>/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:** None known (None expected)

### **SECTION 11 TOXICOLOGICAL INFORMATION**

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

### 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 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 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 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 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 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 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 |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide salted by amines, C12-14-tert-alkyl | Test Result: Causes serious eye damage                           |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Test Result: Causes serious eye damage                           |

| <b>Skin Corrosion/Irritation:</b>  |  |
|--|--|
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Test Result: Causes skin irritation                              |

| <b>Skin Sensitization:</b>   |  |
|--|--|
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Test Result: May cause allergic skin reaction                    |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Test Result: May cause allergic skin reaction                    |

| <b>Acute Dermal Toxicity:</b>  |  |
|--|--|
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

| <b>Acute Oral Toxicity:</b>  |  |
|--|--|
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Confidential test data   |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

| <b>Acute Inhalation Toxicity:</b>  |  |
|--|--|
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-   | Based on available data, the classification criteria are not met |

|   |  |
|---|--|
| 2,5-dithione, formaldehyde and phenol, heptyl derivs. |  |
|---|--|

|  |  |
|--|--|
| <b>Germ Cell Mutagenicity:</b>   |  |
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

|  |  |
|--|--|
| <b>Carcinogenicity:</b>  |  |
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

|  |  |
|--|--|
| <b>Reproductive Toxicity:</b>  |  |
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

|  |  |
|--|--|
| <b>Specific Target Organ Toxicity - Single Exposure:</b>   |  |
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  | Based on available data, the classification criteria are not met |

|  |  |
|--|--|
| <b>Specific Target Organ Toxicity - Repeated Exposure:</b>   |  |
| Highly refined mineral oil (C15 - C50)   | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid   | Based on available data, the classification criteria are not met |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Based on available data, the classification criteria are not met |
| Reaction product of 1,3,4-thiadiazolidine-2,5-   | Based on available data, the classification criteria are not met |



|   |  |
|---|--|
| dithione, formaldehyde and phenol, heptyl derivs. |  |
|---|--|

### 11.2 Information on other hazards

Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivatives was identified as an endocrine disruptor for the environment in a Risk Management Option Analysis Conclusion Document issued by Austria due to the presence of =0.1% w/w of an impurity, 4-heptylphenol, branched and linear (4-HPbl). The impurity 4-HPbl belongs to a class of alkylphenols that meet the World Health Organization/International Programme on Chemical Safety (WHO/IPCS, 2002) definition for endocrine disruptors based on Quantitative Structure Activity Relationships (QSAR) and in vitro studies that showed the chemicals could bind to and activate estrogen receptors in fish, humans, and rats.

## SECTION 12 ECOLOGICAL INFORMATION

### Product Information:

#### 12.1 Toxicity

This material is not expected to be harmful to aquatic organisms. 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

Octanol/Water Partition Coefficient: No data available

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

#### 12.6 Endocrine Disrupting Properties

Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivatives was identified as an endocrine disruptor for the environment in a Risk Management Option Analysis Conclusion Document issued by Austria due to the presence of =0.1% w/w of an impurity, 4-heptylphenol, branched and linear (4-HPbl). The impurity 4-HPbl belongs to a class of alkylphenols that meet the World Health Organization/International Programme on Chemical Safety (WHO/IPCS, 2002) definition for endocrine disruptors based on Quantitative Structure Activity Relationships (QSAR) and in vitro studies that showed the chemicals could bind to and activate estrogen receptors in fish, humans, and rats.

#### 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 |
| Alkylamine salt of alkyl phosphoric acid   | Confidential test data   |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with disphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Confidential test data   |

|   |                        |
|---|------------------------|
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. | Confidential test data |
|---|------------------------|

|   |  |
|---|--|
| <b>Long-term Toxicity:</b>  |  |
| Highly refined mineral oil (C15 - C50)  | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid  | No test data available   |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Confidential test data   |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.   | No test data available   |

|   |  |
|---|--|
| <b>Biodegradation:</b>  |  |
| Highly refined mineral oil (C15 - C50)  | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid  | Test Result: Not readily biodegradable                           |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | Not applicable   |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.   | Not applicable   |

|   |  |
|---|--|
| <b>Bioaccumulative Potential:</b>   |  |
| Highly refined mineral oil (C15 - C50)  | Based on available data, the classification criteria are not met |
| Alkylamine salt of alkyl phosphoric acid  | No test data available   |
| Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide salted by amines, C12-14-tert-alkyl | No test data available   |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.   | 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 96/82/EC (Seveso II): Article 9.

05=EU Directive 96/82/EC (Seveso II): Articles 6 and 7.

06=EU Directive 98/24/EC: Chemical agents at work.

07=EU Directive 2004/37/EC: On the protection of workers.

08=EU Regulation EC No. 689/2008: Annex 1, Part 1.

09=EU Regulation EC No. 689/2008: Annex 1, Part 2.

10=EU Regulation EC No. 689/2008: Annex 1, Part 3.

11=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).

12=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.

13=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.

Reaction product of 1,3,4-thiadiazolidine-2,5- 13

dithione, formaldehyde and phenol, heptyl derivs.

#### CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AIIC (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (United States).

## 15.2 Chemical safety assessment

No chemical safety assessment.

### SECTION 16 OTHER INFORMATION

**REVISION STATEMENT:** SECTION 02 - Supplemental Hazard information was modified.  
SECTION 02.3 - Endocrine Disrupting Chemical List information was added.  
SECTION 03 - Composition information was modified.  
SECTION 11 - Toxicological Information information was modified.  
SECTION 11.2 - Other Hazards information was added.  
SECTION 12.6 - Endocrine Disrupting Properties information was added.  
SECTION 16 - Full Text of H-Statements information was modified.

**Revision Date:** May 02, 2022

#### Full text of CLP H-statements:

Aquatic Chronic 2/H411; Toxic to aquatic life with long lasting effects  
Aquatic Chronic 3/H412; Harmful to aquatic life with long lasting effects  
Aquatic Chronic 4/H413; May cause long lasting harmful effects to aquatic life  
Eye Dam. 1/H318; Causes serious eye damage  
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 Irrit. 2/H315; Causes skin 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 EU Regulation 1907/2006 (as amended) by Chevron Technical Center, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

No Annex