

# Safety Data Sheet

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

### 1.1 Product identifier

#### Delo 400 MGX SAE 15W-40

Product Number(s): 219728, 804089

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

Identified Uses: Heavy Duty Motor Oil

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

YX Smørelie A/S

Buddingevej 195

DK-2860 Søborg

Kundecenter: +45 70 11 56 78

Denmark

Web: yxlube.dk

email : sales@yxlube.dk

### 1.4 Emergency telephone number

#### Transportation Emergency Response

Europe: 0044/(0)18 65 407333

#### Health Emergency

Europe: 0044/(0)18 65 407333

Poison Control Centre Denmark: 0045/ 82 12 12 12

#### Product Information

Technical Information: 0045/70 11 56 78

## 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: Molybdenum polysulfide long chain alkyl dithiocarbamide complex. May produce an allergic reaction.

### 2.3 Other hazards Not Applicable

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.2 Mixtures

This material is a mixture.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	CLP CLASSIFICATION	AMOUNT
Distillates (petroleum) hydrotreated heavy paraffinic	64742-54-7	265-157-1	01-2119484627-25	None	70 - 99 %weight
Bis(nonylphenyl)amine	36878-20-3	253-249-4	01-2119488911-28	Aquatic Chronic 4/H413	1 - 5 %weight
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	125643-61-0	406-040-9	01-0000015551-76	Aquatic Chronic 4/H413	1 - 5 %weight
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	93819-94-4	298-577-9	01-2119543726-33	Aquatic Chronic 2/H411; Eye Dam. 1/H318; Skin Irrit. 2/H315	1 - < 2.5 %weight
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Mixture	457-320-2	01-0000019337-66	Aquatic Chronic 3/H412; Skin Sens. 1B/H317; Skin Irrit. 2/H315	< 1 %weight

The full text of all CLP H-statements is shown in Section 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. If exposure to hydrogen sulfide (H<sub>2</sub>S) 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:** 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. Hydrogen sulfide has a strong rotten-egg odor. However, with continued exposure and at high levels, H<sub>2</sub>S 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 H<sub>2</sub>S, see Chevron MSDS No. 301.

### **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: Phosphorus, Zinc, Sulfur, Nitrogen .

#### **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. Do not breathe gas. Wash thoroughly after handling.

**Unusual Handling Hazards:** Toxic quantities of hydrogen sulfide (H<sub>2</sub>S) 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 H<sub>2</sub>S is present. See Exposure Controls/Personal Protection -Section 8. Do not attempt rescue of a person over exposed to H<sub>2</sub>S 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 H<sub>2</sub>S, 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): Heavy Duty Motor 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/ Agency	Form	TWA	STEL	Ceiling	Notation
Distillates (petroleum) hydrotreated heavy paraffinic	Denmark	Mist	1 mg/m <sup>3</sup>	--	--	--

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 material is heated and emits hydrogen sulfide, determine if airborne concentrations are below the occupational exposure limit for hydrogen sulfide. If not, wear an approved positive pressure air-supplying respirator. For more information on hydrogen sulfide, see Chevron MSDS No. 301. 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:** Not Applicable

**Initial Boiling Point:** No data available

**Flashpoint:** (Cleveland Open Cup) 215 °C (419 °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:** 0.8759 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:** 14.10 mm<sup>2</sup>/s @ 100°C (212°F) (Minimum)

**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:** Hydrogen Sulfide (Elevated temperatures), Alkyl Mercaptans (Elevated temperatures)

### **SECTION 11 TOXICOLOGICAL INFORMATION**

#### **11.1 Information on toxicological effects**

##### **Product Information:**

**Serious Eye Damage/Irritation:** The eye irritation hazard is based on evaluation of data for product

components.

**Skin Corrosion/Irritation:** The skin irritation hazard is based on evaluation of data for product components.

**Skin Sensitization:** The skin sensitization hazard is based on evaluation of data for product components.

**Acute Dermal Toxicity:** The acute dermal toxicity hazard is based on evaluation of data for product components.

**Acute Toxicity Estimate (dermal):** Not Applicable

**Acute Oral Toxicity:** The acute oral toxicity hazard is based on evaluation of data for product components.

**Acute Toxicity Estimate (oral):** Not Applicable

**Acute Inhalation Toxicity:** The acute inhalation toxicity hazard is based on evaluation of data for product components.

**Acute Toxicity Estimate (inhalation):** Not Applicable

**Germ Cell Mutagenicity:** The hazard evaluation is based on data for components or a similar material.

**Carcinogenicity:** The hazard evaluation is based on data for components or a similar material.

**Reproductive Toxicity:** The hazard evaluation is based on data for components or a similar material.

**Specific Target Organ Toxicity - Single Exposure:** The hazard evaluation is based on data for components or a similar material.

**Specific Target Organ Toxicity - Repeated Exposure:** The hazard evaluation is based on data for components or a similar material.

**Aspiration Hazard:** No data available

**Component Information:**

<b>Serious Eye Damage/Irritation:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Test Result: Causes serious eye damage * read-across data from similar material
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

<b>Skin Corrosion/Irritation:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Test Result: Causes skin irritation * read-across data from similar material
Molybdenum polysulfide long chain alkyl	Test Result: Causes skin irritation

dithiocarbamide complex	
-------------------------	--

**Skin Sensitization:**

Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Test Result: May cause allergic skin reaction

**Acute Dermal Toxicity:**

Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

**Acute Oral Toxicity:**

Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

**Acute Inhalation Toxicity:**

Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

**Germ Cell Mutagenicity:**

Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

<b>Carcinogenicity:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

<b>Reproductive Toxicity:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

<b>Specific Target Organ Toxicity - Single Exposure:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Based on available data, the classification criteria are not met
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Based on available data, the classification criteria are not met
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Based on available data, the classification criteria are not met
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Based on available data, the classification criteria are not met

#### **ADDITIONAL TOXICOLOGY INFORMATION:**

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. During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

## **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 Other adverse effects

No other adverse effects identified.

#### Component Information:

<b>Acute Toxicity:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Test Qualifier: EC50 Test Result: 733 mg/l Species: Invertebrate Duration:48 hour(s)
Bis(nonylphenyl)amine	Test Qualifier: LC50 Test Result: >10,000 mg/l Species: Fish Duration:96 hour(s)
Bis(nonylphenyl)amine	Test Qualifier: EC50 (growth rate) Test Result: 600 mg/l Species: Algae Duration:72 hour(s)
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	No test data available
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Confidential test data
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	No test data available

<b>Long-term Toxicity:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	No test data available
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	No test data available
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	No test data available
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Confidential test data

<b>Biodegradation:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	Test Result: Not readily biodegradable

3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	Test Result: Not readily biodegradable
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	Not applicable
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	Test Result: Not readily biodegradable

<b>Bioaccumulative Potential:</b>	
Distillates (petroleum) hydrotreated heavy paraffinic	Based on available data, the classification criteria are not met
Bis(nonylphenyl)amine	No test data available
3,5-di-tert-butyl-4-hydroxyhydrocinnamic acid, C7-9-branched alkyl esters	No test data available
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	No test data available
Molybdenum polysulfide long chain alkyl dithiocarbamide complex	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:** 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:** 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:** 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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** 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: Candidate List of Substances of Very High Concern for Authorization (SVHC).

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

Distillates (petroleum) hydrotreated heavy paraffinic 02, 03, 04, 05, 06

### CHEMICAL INVENTORIES:

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

One or more components does not comply with the following chemical inventory requirements: EINECS (European Union), IECSC (China).

### 15.2 Chemical safety assessment

No chemical safety assessment.

## SECTION 16 OTHER INFORMATION

**REVISION STATEMENT:** SECTION 03 - Base Oil Registration Number List information was deleted.  
SECTION 03 - Composition information was modified.  
SECTION 05 - Fire Fighters Protection Measures information was modified.  
SECTION 08 - Occupational Exposure Limit Table information was modified.  
SECTION 09 - Physical/Chemical Properties information was deleted.  
SECTION 09 - Physical/Chemical Properties information was modified.  
SECTION 10 - Hazardous Decomposition Products information was modified.  
SECTION 11 - Toxicological Information information was modified.  
SECTION 12 - Ecological Information information was modified.  
SECTION 15 - Chemical Inventories information was modified.  
SECTION 15 - Regulatory Information information was added.  
SECTION 16 - Full Text of H-Statements information was modified.

**Revision Date:** October 27, 2020

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

- H304; May be fatal if swallowed and enters airways
- H411; Toxic to aquatic life with long lasting effects
- H412; Harmful to aquatic life with long lasting effects
- H413; May cause long lasting harmful effects to aquatic life
- H318; Causes serious eye damage
- H317; May cause allergic skin reaction
- 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 Energy Technology Company, 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**