



# Safety Data Sheet

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

### 1.1 Product identifier

#### **Chevron Neutral Oil 60R**

**Product Number(s):** 043116, 240664, 581567, 843116

**Registration Name:** Distillates (petroleum) hydrotreated light paraffinic

**Registration Number:** 01-2119487077-29-0005

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

#### **Identified Uses:**

Lubricants - Industrial

Lubricants - Professional (Low Release)

Lubricants - Professional (High Release)

Lubricants - Consumer (Low Release)

Lubricants - Consumer (High Release)

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

Chevron Belgium NV

Technologiepark-Zwijnaarde 2

B-9052 Gent

Belgium

email : eumsds@chevron.com

### 1.4 Emergency telephone number

#### **Transportation Emergency Response**

Europe: 0044/(0)18 65 407333

#### **Health Emergency**

Europe: 0044/(0)18 65 407333

Poison Control Center: Belgium: 0032/(0)70 245 245

#### **Product Information**

Product Information: FAX number: 0032/(0)9 293 72 22

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**CLP CLASSIFICATION:**Aspiration toxicant: Category 1, H304.

### 2.2 Label elements

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



**Signal Word:** Danger

### HAZARD STATEMENTS:

**Health Hazards:** May be fatal if swallowed and enters airways (H304).

### PRECAUTIONARY STATEMENTS:

**Response:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310). Do NOT induce vomiting (P331).

**Storage:** Store locked up (P405).

**Disposal:** Dispose of contents/container in accordance with applicable local/regional/national/international regulations (P501).

### 2.3 Other hazards

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

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substances

This material is a substance.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	CLP CLASSIFICATION	AMOUNT
Distillates (petroleum) hydrotreated light paraffinic	64742-55-8	265-158-7	01-2119487077-29-0005	Asp. Tox. 1/H304	100 %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:** If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**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:** Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

**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

**Note to Physicians:** Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

## 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.

### 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 mist. 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):**

- Lubricants - Industrial
- Lubricants - Professional (Low Release)
- Lubricants - Professional (High Release)
- Lubricants - Consumer (Low Release)
- Lubricants - Consumer (High Release)

**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	TWA	STEL	Ceiling	Notation
Distillates (petroleum) hydrotreated light paraffinic	Belgium	5 mg/m3	10 mg/m3	--	--

Consult local authorities for appropriate values.

**DERIVED NO EFFECT LEVEL (DNEL)/DERIVED MINIMAL EFFECT LEVEL (DMEL)**

**Worker**

Substance Name	Dermal	Inhalation
Distillates (petroleum) hydrotreated light paraffinic	NA	5.4 mg/m3 DNEL, Chronic Exposure, Local Effects

**Consumer**

Substance Name	Dermal	Inhalation	Oral
Distillates (petroleum) hydrotreated light paraffinic	NA	1.2 mg/m3 DNEL, Chronic Exposure, Local Effects	NA

**PREDICTED NO EFFECT CONCENTRATION (PNEC)**

Substance Name	Aqua	Aqua	Aqua	Sewage	Sediment	Soil	Oral

	(fresh water)	(marine water)	(intermittent release)	treatment plant			(secondary poisoning)
Distillates (petroleum) hydrotreated light paraffinic	NA	NA	NA	NA	NA	NA	9.33 mg / kg (food)

## 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:** Colorless to yellow

**Physical State:** No data available

**Odor:** Hydrocarbon odor

**Odor Threshold:** No data available

**pH:** Not Applicable

**Melting Point:** Not Applicable

**Freezing Point:** Not Applicable

**Initial Boiling Point:** No data available

**Flashpoint:** (Cleveland Open Cup) 155 °C (311 °F) Minimum

**Evaporation Rate:** No data available

**Flammability (solid, gas):** No Data Available

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

Lower: Not Applicable Upper: Not Applicable

**Vapor Pressure:** <0.01 mmHg @ 37.8 °C (100 °F)  
**Vapor Density (Air = 1):** >1  
**Density:** 0.8650 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:** 9 mm<sup>2</sup>/s @ 40°C (104°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:** None known (None expected)

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**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 Toxicity:** No data available

**ADDITIONAL TOXICOLOGY INFORMATION:**

In accordance with the Directive 94/69/EC (21st ATP to DSD), Nota L, reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation are not carcinogenic.

**SECTION 12 ECOLOGICAL 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.

**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.

**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

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

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).

No components of this material were found on the regulatory lists above.

**CHEMICAL INVENTORIES:**

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

**15.2 Chemical safety assessment**

Yes

<b>SECTION 16 OTHER INFORMATION</b>
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**REVISION STATEMENT:** SECTION 01 - Identified Uses information was added.

SECTION 01 - Identified Uses information was deleted.

SECTION 07 - Identified Uses information was deleted.

SECTION 08 - DNEL/DMEL Table information was added.

SECTION 08 - PNEC Table information was added.

SECTION 13 - Disposal Considerations information was modified.

SECTION 15 - Chemical Safety Assessment information was added.

SECTION 15 - Chemical Safety Assessment information was deleted.

SECTION ANNEX - Annex information was added.

**Revision Date:** May 03, 2017

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

H304; May be fatal if swallowed and enters airways

**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 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.

**Annex**

<b>Section 1 Exposure Scenario Title</b>	
<b>Title:</b>	
Lubricants - Industrial	
<b>Use Descriptor</b>	
Sector(s) of Use	SU3
Process Categories	PROC1, PROC10, PROC13, PROC17, PROC18, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9
Environmental Release Categories	ERC4, ERC7
Specific Environmental Release Category	
<b>Processes, tasks, activities covered</b>	
Covers the use of formulated lubricants in closed and open systems including transfer operations, operation of machinery/engines and similar articles, reworking on reject articles, equipment maintenance and disposal of wastes.	
<b>Section 2 Operational conditions and risk management measures</b>	
<b>Section 2.1 Control of worker exposure</b>	
<b>Product Characteristic</b>	
Liquid	
<b>Duration, frequency and amount</b>	
Covers daily exposures up to 8 hours (unless stated differently)[G2] Covers percentage substance in the product up to 100 %[G13]	
<b>Other given operational conditions affecting workers exposure</b>	
Assumes a good basic standard of occupational hygiene is implemented [G1]	
<b>Contributing Scenarios/Specific Risk Management Measures and Operating Conditions</b>	

**(only required controls to demonstrate safe use listed)**

**General measures (Aspiration Hazard)**  
The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard.  
Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting.

**Section 2.2 Control of environmental exposure**

**Product characteristics**

Not applicable

**Duration, frequency and amount**

Not applicable

**Environmental factors not influenced by risk management**

Not applicable

**Other given operational conditions affecting environmental exposure**

Not applicable

**Technical conditions and measures at process level (source) to prevent release**

Not applicable

**Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil**

Not applicable

**Organisation measures to prevent/limit release from site**

Not applicable

**Conditions and measures related to municipal sewage treatment plant**

Not applicable

Conditions and measures related to external treatment of waste for disposal

Not applicable

Conditions and measures related to external recovery of waste

Not applicable

**Section 3 Exposure Estimation**

**3.1. Health**

Not applicable

**3.2. Environment**

Not applicable

**Section 4 Guidance to check compliance with the Exposure Scenario**

**4.1. Health**

Available hazard data do not support the need for a DNEL to be established for other health effects.[G36]  
Risk Management Measures are based on qualitative risk characterisation. [G37]

**4.2. Environment**

Not applicable

<b>Section 1 Exposure Scenario Title</b>	
<b>Title:</b>	
Lubricants - Professional (Low Release)	
<b>Use Descriptor</b>	
Sector(s) of Use	SU22
Process Categories	PROC1, PROC10, PROC11, PROC13, PROC17, PROC18, PROC2, PROC20, PROC3, PROC4, PROC8a, PROC8b, PROC9
Environmental Release Categories	ERC9A, ERC9B
Specific Environmental Release Category	
<b>Processes, tasks, activities covered</b>	
Covers the use of formulated lubricants in closed and open systems including transfer operations, operation of engines and similar articles, reworking on reject articles, equipment maintenance and disposal of waste oil.	
<b>Section 2 Operational conditions and risk management measures</b>	
<b>Section 2.1 Control of worker exposure</b>	
<b>Product Characteristic</b>	
Liquid	
<b>Duration, frequency and amount</b>	
Covers daily exposures up to 8 hours (unless stated differently)[G2] Covers percentage substance in the product up to 100 %[G13 ]	
<b>Other given operational conditions affecting workers exposure</b>	
Assumes a good basic standard of occupational hygiene is implemented [G1]	
<b>Contributing Scenarios/Specific Risk Management Measures and Operating Conditions</b> (only required controls to demonstrate safe use listed)	
<b>General measures (Aspiration Hazard)</b>	
The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting.	
<b>Section 2.2 Control of environmental exposure</b>	
<b>Product characteristics</b>	
Not applicable	
<b>Duration, frequency and amount</b>	
Not applicable	
<b>Environmental factors not influenced by risk management</b>	
Not applicable	
<b>Other given operational conditions affecting environmental exposure</b>	

Not applicable
<b>Technical conditions and measures at process level (source) to prevent release</b>
Not applicable
<b>Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil</b>
Not applicable
<b>Organisation measures to prevent/limit release from site</b>
Not applicable
<b>Conditions and measures related to municipal sewage treatment plant</b>
Not applicable
Conditions and measures related to external treatment of waste for disposal
Not applicable
Conditions and measures related to external recovery of waste
Not applicable
<b>Section 3 Exposure Estimation</b>
<b>3.1. Health</b>
Not applicable
<b>3.2. Environment</b>
Not applicable
<b>Section 4 Guidance to check compliance with the Exposure Scenario</b>
<b>4.1. Health</b>
Available hazard data do not support the need for a DNEL to be established for other health effects.[G36] Risk Management Measures are based on qualitative risk characterisation. [G37]
<b>4.2. Environment</b>
Not applicable

<b>Section 1 Exposure Scenario Title</b>	
<b>Title:</b>	
Lubricants - Professional (High Release)	
<b>Use Descriptor</b>	
Sector(s) of Use	SU22
Process Categories	PROC1, PROC10, PROC11, PROC13, PROC17, PROC18, PROC2, PROC20, PROC3, PROC4, PROC8a, PROC8b, PROC9
Environmental Release Categories	ERC8A, ERC8D
Specific Environmental Release Category	
<b>Processes, tasks, activities covered</b>	
Covers the use of formulated lubricants in closed and open systems including transfer operations, operation of engines and similar articles, reworking on reject articles, equipment maintenance and disposal of waste oil.	
<b>Section 2 Operational conditions and risk management measures</b>	

<b>Section 2.1 Control of worker exposure</b>
<b>Product Characteristic</b>
Liquid
<b>Duration, frequency and amount</b>
Covers daily exposures up to 8 hours (unless stated differently)[G2] Covers percentage substance in the product up to 100 %[G13 ]
<b>Other given operational conditions affecting workers exposure</b>
Assumes a good basic standard of occupational hygiene is implemented [G1]
<b>Contributing Scenarios/Specific Risk Management Measures and Operating Conditions</b> (only required controls to demonstrate safe use listed)
<b>General measures (Aspiration Hazard)</b>
The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting.
<b>Section 2.2 Control of environmental exposure</b>
<b>Product characteristics</b>
Not applicable
<b>Duration, frequency and amount</b>
Not applicable
<b>Environmental factors not influenced by risk management</b>
Not applicable
<b>Other given operational conditions affecting environmental exposure</b>
Not applicable
<b>Technical conditions and measures at process level (source) to prevent release</b>
Not applicable
<b>Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil</b>
Not applicable
<b>Organisation measures to prevent/limit release from site</b>
Not applicable
<b>Conditions and measures related to municipal sewage treatment plant</b>
Not applicable
Conditions and measures related to external treatment of waste for disposal
Not applicable
Conditions and measures related to external recovery of waste
Not applicable
<b>Section 3 Exposure Estimation</b>
<b>3.1. Health</b>

Not applicable
<b>3.2. Environment</b>
Not applicable
<b>Section 4 Guidance to check compliance with the Exposure Scenario</b>
<b>4.1. Health</b>
Available hazard data do not support the need for a DNEL to be established for other health effects.[G36] Risk Management Measures are based on qualitative risk characterisation. [G37]
<b>4.2. Environment</b>
Not applicable

<b>Section 1 Exposure Scenario Title</b>	
<b>Title:</b>	
Lubricants - Consumer (Low Release)	
<b>Use Descriptor</b>	
Sector(s) of Use	SU21
Product Categories	PC01, PC24, PC31
Environmental Release Categories	ERC9A, ERC9B
Specific Environmental Release Category	
<b>Processes, tasks, activities covered</b>	
Covers the consumer use of formulated lubricants in closed and open systems including transfer operations, application, operation of engines and similar articles, equipment maintenance and disposal of waste oil.	
<b>Section 2 Operational conditions and risk management measures</b>	
<b>Section 2.1 Control of consumer exposure</b>	
<b>Product Characteristic</b>	
Liquid	
<b>Duration, frequency and amount</b>	
Not applicable	
<b>Other given operational conditions affecting consumer exposure</b>	
General measures (Aspiration Hazard) The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting. Just a sip of lamp oil - or even sucking the wick of lamps may lead to life threatening lung damage. Keep lamps filled with this liquid out of the reach of children.	
<b>Contributing Scenarios/Specific Risk Management Measures and Operating Conditions</b> (only required controls to demonstrate safe use listed)	



<b>Section 2.2 Control of environmental exposure</b>	
<b>Product characteristics</b>	
Not applicable	
<b>Duration, frequency and amount</b>	
Not applicable	
<b>Environmental factors not influenced by risk management</b>	
Not applicable	
<b>Other given operational conditions affecting environmental exposure</b>	
Not applicable	
<b>Conditions and measures related to municipal sewage treatment plant</b>	
Not applicable	
Conditions and measures related to external treatment of waste for disposal	
Not applicable	
Conditions and measures related to external recovery of waste	
Not applicable	
<b>Section 3 Exposure Estimation</b>	
<b>3.1. Health</b>	
Not applicable	
<b>3.2. Environment</b>	
Not applicable	
<b>Section 4 Guidance to check compliance with the Exposure Scenario</b>	
<b>4.1. Health</b>	
Available hazard data do not support the need for a DNEL to be established for other health effects.[G36] Risk Management Measures are based on qualitative risk characterisation. [G37]	
<b>4.2. Environment</b>	
Not applicable	

<b>Section 1 Exposure Scenario Title</b>	
<b>Title:</b>	
Lubricants - Consumer (High Release)	
<b>Use Descriptor</b>	
Sector(s) of Use	SU21
Product Categories	PC01, PC24, PC31
Environmental Release Categories	ERC8A, ERC8D
Specific Environmental Release Category	
<b>Processes, tasks, activities covered</b>	
Covers the consumer use of formulated lubricants in closed and open systems including transfer operations, application, operation of engines and similar articles, equipment maintenance and disposal of waste oil.	
<b>Section 2 Operational conditions and risk management measures</b>	
<b>Section 2.1 Control of consumer exposure</b>	

<b>Product Characteristic</b>
Liquid
<b>Duration, frequency and amount</b>
Not applicable
<b>Other given operational conditions affecting consumer exposure</b>
General measures (Aspiration Hazard) The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting. Just a sip of lamp oil - or even sucking the wick of lamps may lead to life threatening lung damage. Keep lamps filled with this liquid out of the reach of children.
<b>Contributing Scenarios/Specific Risk Management Measures and Operating Conditions</b> (only required controls to demonstrate safe use listed)
<b>Section 2.2 Control of environmental exposure</b>
<b>Product characteristics</b>
Not applicable
<b>Duration, frequency and amount</b>
Not applicable
<b>Environmental factors not influenced by risk management</b>
Not applicable
<b>Other given operational conditions affecting environmental exposure</b>
Not applicable
<b>Conditions and measures related to municipal sewage treatment plant</b>
Not applicable
Conditions and measures related to external treatment of waste for disposal
Not applicable
Conditions and measures related to external recovery of waste
Not applicable
<b>Section 3 Exposure Estimation</b>
<b>3.1. Health</b>
Not applicable
<b>3.2. Environment</b>
Not applicable
<b>Section 4 Guidance to check compliance with the Exposure Scenario</b>
<b>4.1. Health</b>
Available hazard data do not support the need for a DNEL to be established for other health effects.[G36] Risk Management Measures are based on qualitative risk characterisation. [G37]

<b>4.2. Environment</b>
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Not applicable
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