SAFETY DATA SHEET

Gulf Formula PCX, SAE 0W-30 **01137/0W-30/AE**

Revision date 05-08-2025 **Version** 2.1

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

1.1. Product identifier

Product Name **Gulf Formula PCX, SAE 0W-30**
Product Code(s) 01137/0W-30/AE

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

Recommended use Engine oil

Uses advised against Any other purpose.

1.3. Details of the supplier of the safety data sheet

Supplier

Gulf Oil Supply Company Limited
1/B2 Triq l'Industrija
Zone 5 Central Business District
Qormi CBD 5030
Malta
Tel: +356 2147 0093

Gulf Oil Supply Company Ltd
c/o 1st floor, 12 Charles II Street
London, SW1Y 4QU
UK
Tel: +44 207 321 6219

E-mail address *products@gulfoilltd.com, sds@gulfoilltd.com*

1.4. Emergency telephone number

Emergency Telephone +1 760 476 3962 (Code 334276)
+44 20 35147487 (Code 334276)

Poison Information Center telephone number

Austria	**(AT)** +43 (0)1 406 43 43
Belgium	**(BE)** +32 (0)70 245 245
Bulgaria	**(BG)** +359 (0)2 9154 233
Croatia	**(HR)** +385 (0)1 23-48-342
Czech Republic	**(CZ)** +420 224 919 293/ +420 224 915 402
Denmark	**(DK)** +45 8212 1212
Estonia	**(EE)** +372 626 93 90
Finland	**(FI)** +358 (0)9 471 977/ +358 800 147 111
France	**(FR)** +33 (0)1 45 42 59 59
Greece	**(EL)** +30 210 779 3777 (Emergency Poison Centre telephone number, Aglaia Kyriakou Children's Hospital)
Hungary	**(HU)** +36 (06) 80 201-199

Iceland	**(IS)** (+354) 543 2222
Ireland	**(IE)** +353 (0)1 809 2566 (08:00 - 22:00)
Italy	**(IT)** Bergamo Poison Control Centre +39 800883300 Firenze Poison Control Centre +39 055-7947819 Foggia Poison Control Centre +39 800183459 Milano Poison Control Centre +39 02-66101029 Napoli Poison Control Centre +39 081-5453333 Pavia Poison Control Centre +39 0382-24444 Roma Poison Control Centre +39 06 68593726 Roma Poison Control Centre +39 06-49978000 Roma Poison Control Centre +39 06-3054343 Verona Poison Control Centre +39 800011858
Latvia	**(LV)** +371 6704 2473
Lithuania	**(LT)** +370 (8)5 236 20 52/ +370(8)6 875 33 78
Luxembourg	**(LU)** (+352) 8002 5500
Malta	**(ML)** 112
Netherlands	**(NL)** +31 (0)88 755 8000
Norway	**(NO)** +47 22 59 13 00
Romania	**(RO)** +40 (0)21 318 36 06 (08:00-15:00)
Slovakia	**(SK)** +421 (0)2 54 774 166
Slovenia	**(SI)** 112
Sweden	**(SE)** 112
Switzerland	**(CH)** 145; +41 44 251 51 51

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

Signal word
None

Hazard statements
EUH208 - Contains Molybdenum polysulphide long chain alkyl dithiocarbamate complex, C14-16-18 Alkyl phenol May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)
None

2.3. Other hazards

PBT and vPvB assessment This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

Other hazards which do not result in classification
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

This product is a mixture. Health hazard information is based on its ingredients

Chemical name	EC No (EU Index No)	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	-	-	50% - 100%	Asp. Tox. 1 (H304)	-
Dec-1-ene, homopolymer, hydrogenated	500-183-1	68037-01-4	10% - 25%	Asp. Tox. 1 (H304)	01-2119486452-34-xxxx
Bis(nonylphenyl)amine	253-249-4	36878-20-3	1% - 2.5%	Aquatic Chronic 4 (H413)	01-2119488911-28-xxxx
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	457-320-2	NOT AVAILABLE	0% - 1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)	01-0000019337-66-xxxx
C14-16-18 Alkyl phenol	931-468-2	NOT AVAILABLE	0% - 1%	Skin Sens. 1B (H317) STOT RE 2 (H373)	01-2119498288-19-xxxx

The highly refined base oil may be described by one or more of the following generic CAS identifiers: 64742-54-7, 64742-65-0, 64742-52-5, 64742-53-6, 64742-62-7, 64742-57-0, 64742-01-4, 64741-88-4, 64741-96-4, 64741-97-5, 64742-55-8, 64742-56-9, 64741-89-5, 8042-47-5 Product containing mineral oil with less than 3% DMSO extract as measured by IP 346 See Section 15 for additional information on base oils.

CAS # 68037-01-4 Related CAS no. 151006-60-9

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice May produce an allergic reaction. If symptoms persist, call a physician.

Inhalation Remove to fresh air.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Take off

	contaminated clothing and wash before reuse. May cause an allergic skin reaction. If symptoms persist, call a physician.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.
Ingestion	Clean mouth with water. Do not induce vomiting without medical advice.
Self-protection of the first aider	Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Prolonged contact may cause redness and irritation. Rashes. Itching.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization by skin contact. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Carbon dioxide (CO2). Dry chemical. Foam. Water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable extinguishing media
Do not use straight streams. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes. The product is insoluble and floats on water.

Hazardous combustion products	Carbon monoxide. Carbon dioxide (CO2).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take precautionary measures against static discharges.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment Dike to collect large liquid spills.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

General hygiene considerations When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep cool. Protect from sunlight. Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

Engine oil

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belarus	Belgium	Bulgaria
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -				TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m³

Chemical name	Croatia	Cyprus	Czech Republic	Denmark	Estonia
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -				TWA: 1 mg/m³ (Olietåge)	

Chemical name	Finland	France	Germany	Greece	Hungary
Highly refined, low	TWA: 5mg/m³			TWA: 5 mg/m³	TWA: 5 mg/m³

viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	(Öljysumu)				
Dec-1-ene, homopolymer, hydrogenated 68037-01-4			AGW TWA: 5 mg/m³ (Polyalphaolefin) (Alveolengängiger Anteil) Überschreitungsfaktor 4 (II)		

Chemical name	Iceland	Ireland	Italy	Latvia	Liechtenstein
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -		STEL: 10 mg/m³ TWA: 5 mg/m³ (Mist)	TWA: 5 mg/m³	TWA: 5 mg/m³	

Chemical name	Lithuania	Luxembourg	Macedonia	Malta	Netherlands
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	TWA: 1 mg/m³ STEL: 3 mg/m³				TWA: 5 mg/m³

Chemical name	Norway	Poland	Romania	Russia	Serbia
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	TWA: 1 mg/m³ (Oljetåke)	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³		

Chemical name	Spain	Slovakia	Slovenia	Sweden	Switzerland
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -	VLA-EC: 10 mg/m³ VLA-ED: 5 mg/m³	TWA: 5mg/m³		TWA: 1 mg/m³ STEL: 3 mg/m³ (Oljedimma)	

Chemical name	Turkey	Ukraine	United Kingdom		
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) -		STEL: 5 mg/m³			

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Bis(nonylphenyl)amine 36878-20-3		5 mg/kg bw/day [4] [6]	
Molybdenum polysulphide long chain alkyl dithiocarbamate complex NOT AVAILABLE		2.24 mg/kg [4][6]	3.52 mg/m³ [4][6]

[1] Reproductive toxicity.
[2] Fertility effects.
[3] Developmental effects.
[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public .

Chemical name	Oral	Dermal	Inhalation
Bis(nonylphenyl)amine 36878-20-3	0.25 mg/kg bw/day [4] [6]		
Molybdenum polysulphide long chain alkyl dithiocarbamate complex NOT AVAILABLE	0.5 mg/kg [4][6]	1.12 mg/kg [4][6]	1.76 mg/m³ [4][6]

[1] Reproductive toxicity.
[2] Fertility effects.
[3] Developmental effects.
[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC) .

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Bis(nonylphenyl)amine 36878-20-3	0.412 mg/L	1 mg/L	0.0412 mg/L		
Molybdenum polysulphide long chain alkyl dithiocarbamate complex NOT AVAILABLE	0.081 mg/L		0.0081 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Bis(nonylphenyl)amine 36878-20-3	1 mg/kg sediment dw	0.1 mg/kg sediment dw			
Molybdenum polysulphide long chain alkyl dithiocarbamate complex NOT AVAILABLE	195 mg/kg	19.5 mg/kg		0.872 mg/kg	

8.2. Exposure controls

Engineering controls
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment
Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances. Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level.

Eye/face protection
If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection
The following glove type may be suitable for handling this product: Protective gloves complying with EN 374

Nitrile rubber	*Glove thickness => 0.38 mm*	*Break through time => 480 min*
Butyl rubber	*Glove thickness => 0.64 mm*	*Break through time => 480 min*

Glove material suitability will vary depending on specific use conditions. Consideration should be given to variables such as operational characteristics, anticipated contact time, task requirements and other factors relevant to the selection of PPE. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Any specific glove information provided is based on published literature and glove manufacturer data. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection
Long sleeved clothing.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

This information is based on the state in which the specific product is delivered and on the intended use specified within this SDS. This information is provided based on literature reference, manufacturer specifications and recommendations and/or derived by analogy with similar substances. The level of protection and types of exposure controls will vary depending on potential exposure conditions.

General hygiene considerations
When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing and wash before reuse.

Environmental exposure controls
No special environmental precautions required.

Thermal hazards
None under normal use conditions

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	clear
Color	amber
Odor	Hydrocarbon-like
Odor threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
		None known

Flammability	No data available	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	205 °C	ASTM D 92
Autoignition temperature	No data available	None known
Decomposition temperature	Not applicable	Not applicable
pH	No data available	None known
pH (as aqueous solution)	No data available	Not applicable
Kinematic viscosity	53.8 cSt @ 40 °C	ASTM D 445
Dynamic viscosity	No data available	None known
Water solubility		None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	0.853	@15°C
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		
Particle Size	Not applicable	
Particle Size Distribution	No information available	

9.2. Other information

Viscosity, kinematic (100°C)	9.7 cSt @ 100°C	ASTM D 445
Pour Point	-42 °C	ASTM D 97

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use conditions.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors; Carbon monoxide (CO); Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure

Product Information

Inhalation No known effects under normal use conditions.

Eye contact No known effect.

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion No known effect.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) > 2000 mg/kg
ATEmix (dermal) > 2000 mg/kg
ATEmix (inhalation-dust/mist) > 5 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	>5 mg/L
Dec-1-ene, homopolymer, hydrogenated	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	5.2 mg/L (4h) (Rat)
Bis(nonylphenyl)amine	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	
C14-16-18 Alkyl phenol	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No special environmental measures are necessary.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	>100: 72 h mg/L EC50	>100: 96 h mg/L LC50		>100: 48 h mg/L EC50
Dec-1-ene, homopolymer, hydrogenated	>1000: 72 h Scenedesmus capricornutum mg/L EC50 >1000: 72 h Scenedesmus quadricauda mg/L LC50	>1000: 96 h Oncorhynchus mykiss mg/L LC50		>1000: 48 h Daphnia magna mg/L EC50
Bis(nonylphenyl)amine	>100: 72 h Desmodesmus subspicatus mg/L EC50 600: 72 h Selenastrum capricornutum mg/L EC50	>100: 96 h Danio rerio mg/L LC50 1000: 96 h Pimephales promelas mg/L LC50 semi-static		>100: 48 h Daphnia magna mg/L EC50 14 - 28: 96 h Mysidopsis bahia mg/L LC50
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	9.62: 72 h Pseudokirchneriella subcapitata mg/L EC50	94.8: 96 h Oncorhynchus mykiss mg/L NOEC semi-static		50: 48 h Daphnia magna mg/L EC50
C14-16-18 Alkyl phenol	>100: 72 h Pseudokirchneriella subcapitata mg/L EC50	>100: 96 h Cyprinus carpio mg/L LC50		>100: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

12.3. Bioaccumulative potential

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Dec-1-ene, homopolymer, hydrogenated	>6.5	
Bis(nonylphenyl)amine	>7.6	1730
Molybdenum polysulphide long chain alkyl dithiocarbamate complex		88
C14-16-18 Alkyl phenol	>7.2	

12.4. Mobility in soil

The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

Waste codes / waste designations according to EWC Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not regulated
14.6 Special precautions for user
Special Provisions Not regulated

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not regulated

14.6 Special precautions for user Special Provisions	Not regulated
14.7 Maritime transport in bulk according to IMO instruments	Not regulated

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not regulated
14.6 Special precautions for user Special Provisions	Not regulated

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not regulated
14.6 Special precautions for user Special Provisions	Not regulated

SECTION 15: REGULATORY INFORMATION

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

National regulations

Germany
Water hazard class (WGK) Not defined

European Union

Authorizations and/or restrictions on use:
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

SVHC: Substances of Very High Concern for Authorization:
This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Persistent Organic Pollutants per (EC) 2019/1021 - Annex Number
No data available

European Export/Import Restrictions per (EC) 649/2012 - Annex Number
No data available

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Regulations

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
All ingredients are on the inventory or exempt from listing

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
All ingredients are on the inventory or exempt from listing

AICS - Australian Inventory of Chemical Substances
All ingredients are on the inventory or exempt from listing

PICCS - Philippines Inventory of Chemicals and Chemical Substances
All ingredients are on the inventory or exempt from listing

KECL - Korean Existing Chemicals Inventory
All ingredients are on the inventory or exempt from listing

IECSC - China Inventory of Existing Chemical Substances
All ingredients are on the inventory or exempt from listing

ENCS - Japan Existing and New Chemical Substances
All ingredients are on the inventory or exempt from listing

TCSI - Taiwan National Existing Chemical Inventory
Contact supplier for inventory compliance status

NZIoC - New Zealand Inventory of Chemicals
Contact supplier for inventory compliance status

Other Information

The highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

Chemical name	CAS No.	EC No (EU Index No)	REACH registration number
Distillates (petroleum), heavy hydrocracked	64741-76-0	265-077-7	01-2119486951-26-xxxx
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8	01-2119488706-23-xxxx
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	265-091-3	01-2119487067-30-xxxx
Residual oils (petroleum), solvent deasphalted	64741-95-3	265-096-0	01-2119487081-40-xxxx
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4	265-097-6	01-2119483621-38-xxxx
Distillates (petroleum), solvent-refined light naphthenic	64741-97-5	265-098-1	01-2119480374-36-xxxx
Residual oils (petroleum), solvent-refined	64742-01-4	265-101-6	01-2119488707-21-xxxx
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	01-2119467170-45-xxxx
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	01-2119480375-34-xxxx
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	01-2119484627-25-xxxx
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7	01-2119487077-29-xxxx
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	265-159-2	01-2119480132-48-xxxx
Residual oils (petroleum), hydrotreated	64742-57-0	265-160-8	01-2119489287-22-xxxx
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	265-161-3	
Residual oils (petroleum), solvent-dewaxed	64742-62-7	265-166-0	01-2119480472-38-xxxx
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7	01-2119471299-27-xxxx

Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	265-174-4	01-2119487080-42-xxxx
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	265-176-5	01-2119485040-48-xxxx
Dec-1-ene, homopolymer, hydrogenated	68037-01-4	500-183-1	01-2119486452-34-xxxx
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7	276-735-8	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity	72623-85-9	276-736-3	01-2119555262-43-xxxx
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	276-737-9	01-2119474878-16-xxxx
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	276-738-4	01-2119474889-13-xxxx
Lubricating oils	74869-22-0	278-012-2	01-2119495601-36-xxxx

15.2. Chemical safety assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H373 - May cause damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW: Occupational Exposure Limits
ASTM: American Society for the Testing of Materials
ATE: Acute Toxicity Estimate
DNEL: Derived No Effect Level (DNEL)
EC50: EC50 (effective concentration)
IATA: International Air Transport Association (IATA)
IMDG: International Maritime Dangerous Goods (IMDG)
LC50: LC50 (lethal concentration)
LD50: LD50 (lethal dose)
OEL: Occupational Exposure Limits
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
PNEC: Predicted No Effect Concentration (PNEC)
RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/ Regulations concerning the International Carriage of Dangerous Goods by Rail
Specific concentration limit (SCL)
STOT: Specific Target Organ Toxicity
SVHC: EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
WGK: Water hazard class

Legend SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	C	Carcinogen
Sk*	Skin designation	+	Sensitizers

Classification procedure

Physical hazards	On basis of test data

Health Hazards	Calculation Method
Environmental Hazards	Calculation Method

Key literature references and sources for data used to compile the SDS
Acute Exposure Guideline Level(s) (AEGL(s))
Agency for Toxic Substances and Disease Registry (ATSDR)
Australian Industrial Chemicals Introduction Scheme (AICIS)
Environmental Protection Agency
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
NIOSH (National Institute for Occupational Safety and Health)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
U.S. Environmental Protection Agency ChemView Database
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
World Health Organization

Revision date	05-08-2025
Reason for revision	This SDS has been revised in the following section(s) 2 3 8 11 12

Safety Data Sheet according to Regulation EC 1907/2006 (REACh) with its amendment regulation EU 2020/878

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.