## Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Denmark

## SAFETY DATA SHEET

## Q8 Schubert 100



SECTION 1: Identific undertaking	cation of the substan	nce/mixture and of the company/
1.1 Product identifier		
Product name	: Q8 Schubert 100	
Viscosity or Type	: ISO VG 100	
1.2 Relevant identified uses	of the substance or mixture	and uses advised against
Material uses	: Lubricating oil for air com	pressors
1.3 Details of the supplier of	the safety data sheet	
Supplier	: Q8 Danmark A/S Arne Jacobsens Allé 7 2300 København S, Danr Tel.: +45 7012 4545 Email: produktteknik@Q8 Web: www.Q8.dk	
Manufacturer / Distributor	: Kuwait Petroleum Belgiun Petroleumkaai 7 B-2020 Antwerp Belgium	n N.V./S.A. / Q8Oils Italia S.r.I. Via Volpedo 2 15050 Castellar Guidobono (AL) Italy
e-mail address of person		
responsible for this SDS	-	nunication preferably in English only.
PCN Information contact	: PCNinfo@Q8.com, comm	nunication preferably in English only.
1.4 Emergency telephone nu	umber	
Denmark	: +45 8988 2286	
Europe	<b>:</b> +44 (0) 1235 239 670	111100
Global (English only)	<b>:</b> +44 (0) 1865 407 333	
National advisory body/Po	ison Center	
Denmark	: Bispebjerg Hospital - pois	son line : +45 8212 1212
SECTION 2: Hazards	s identification	
2.1 Classification of the sub	stance or mixture	
Product definition	: Mixture	
	Regulation (EC) No. 1272/20	008 [CLP/GHS]
The product is not classified	as hazardous according to Reg	gulation (EC) 1272/2008 as amended.
Ingredients of unknown toxicity	: None.	
Ingredients of unknown ecotoxicity	: None.	
See Section 11 for more deta	ailed information on health effe	ects and symptoms.
2.2 Label elements		
Signal word	: No signal word.	
-		

: No known significant effects or critical hazards.

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1/15

: 07-04-2023 Date of previous issue

Hazard statements
Date of issue/Date of revision

## **SECTION 2: Hazards identification**

Precautionary statements		
Prevention	:	Not applicable.
Response	1	Not applicable.
Storage	1	Not applicable.
Disposal	1	Not applicable.
Supplemental label elements	:	Contains N-1-naphthylaniline and (4-nonylphenoxy)acetic acid. May produce an allergic reaction. Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Detergents - Regulation (EC) No 648/2004	:	Not applicable.
Special packaging requirem	er	<u>its</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	1	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	1	Prolonged or repeated contact may dry skin and cause irritation.

## **SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≥90	Not classified.	-	[2]
N-1-naphthylaniline	REACH #: 01-2119488704-27 EC: 201-983-0 CAS: 90-30-2	<0.25	Acute Tox. 4, H302 Skin Sens. 1B, H317 STOT RE 2, H373 (blood system) Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 1625 mg/kg M [Acute] = 1 M [Chronic] = 1	[1]
(4-nonylphenoxy)acetic acid	REACH #: 01-2119982392-31 EC: 221-486-2 CAS: 3115-49-9	<0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg M [Acute] = 1 M [Chronic] = 1	[1]

# SECTION 3: Composition/information on ingredients See Section 16 for the full text of the H statements declared above.

The mineral base oils contained in this product are severely refined and contain less than 3% DMSO extract according to IP 346 method, and are therefore not classified as carcinogen according to Regulation (EC) No 1272/2008, note L.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: ₩ash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

## 4.3 Indication of any immediate medical attention and special treatment needed Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments : No specific treatment.

## **SECTION 5: Firefighting measures**

5.1 Extinguishing media		
Suitable extinguishing media	:	Use dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	:	Do not use water jet.
5.2 Special hazards arising f	ron	n the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
5.3 Advice for firefighters		
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	<ul> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</li> </ul>
6.3 Methods and materials for	containment and cleaning up
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

**Recommendations** 

: Not available. : Not available.

Industrial sector specific solutions

#### SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values	
₱istillates (petroleum), hydrotreated heavy paraffinic	Working Environment Authority (Denmark, 6/2021). [] TWA: 1 mg/m <sup>3</sup> 8 hours. Form: mist and particles EU OEL (Europe). TWA: 5 mg/m <sup>3</sup>	
procedures atmosphere or of the ventilation protective equilation the following: the assessment limit values an atmospheres - of exposure to (Workplace att for the measure	contains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness on or other control measures and/or the necessity to use respiratory ipment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for nt of exposure by inhalation to chemical agents for comparison with d measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 mospheres - General requirements for the performance of procedures rement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be	

#### **DNELs/DMELs**

#### **SECTION 8: Exposure controls/personal protection**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Ďístillates (petroleum), hydrotreated heavy paraffinic	DNEL	Long term Oral	0.74 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.97 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	2.73 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m³	Workers	Local
N-1-naphthylaniline	DNEL	Long term Oral	0.008 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.008 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.015 mg/	General population	Systemic
	DNEL	Long term Dermal	0.02 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.08 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	3.33 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Dermal	6.67 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	33 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Short term Inhalation	44 mg/m³	Workers	Systemic
(4-nonylphenoxy)acetic acid	DNEL	Long term Oral	0.25 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.25 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.43 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.76 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	4.3 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Short term Inhalation	17.6 mg/m³		Systemic

#### **PNECs**

No PNECs available.

8.2 Exposure controls
 Appropriate engineering controls
 Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
 Individual protection measures
 Hygiene measures
 Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## **SECTION 8: Exposure controls/personal protection**

Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Wear suitable gloves tested to EN374. Recommended: < 1 hour (breakthrough time): nitrile rubber 0.17 mm. Provide employee with skin care programmes.
Body protection	<ul> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Boiling point > 65 °C: A1; Boiling point < 65 °C: AX1; Hot material: A1P2.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid. [Oily liquid.]
Appearance	: Clear.
Color	: Yellow [Light]
Odor	: Characteristic.
Odor threshold	: Not available.
Melting point/freezing point	: Not applicable.
Pour point	: <mark>₮</mark> 8°С (-0.4°F) [ASTM D 97]
Initial boiling point and boiling range	: >300°C (>572°F)
Flammability	: Not applicable.
Lower and upper explosion limit	: Not available.
Flash point	: Øpen cup: >240°C (>464°F) [ASTM D 92]
Auto-ignition temperature	: >350°C (>662°F)
Decomposition temperature	: >350°C
рН	: Not applicable.
Viscosity	: Kinematic (40°C (104°F)): 100 mm²/s (100 cSt) [ASTM D 445] Kinematic (100°C (212°F)): 11.8 mm²/s (11.8 cSt) [ASTM D 445]
Solubility(ies)	:
Marilia	Descrift

	Media		Result	t				
	old water hot water		Not so Not so					
Da	te of issue/Date of revision	: 07-	04-2023	Date of previous issue	: 10-09-2019	Version	:1.04	7/15

## **SECTION 9: Physical and chemical properties**

Partition coefficient: n-octanol/ water	: Not applicable.
Vapor pressure	: 🗾 🗾 №0.01 kPa (<0.075006 mm Hg)
Density	: 🕅 87 g/cm³ [15°C (59°F)] [ASTM D 4052]
Vapor density	: Not available.
Explosive properties	: Not applicable.
Oxidizing properties	: Not applicable.
Particle characteristics	
Median particle size	: Not applicable.

## **SECTION 10: Stability and reactivity**

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: Reactive or incompatible with the following materials: Strong oxidizing materials
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

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

**Acute toxicity** 

Product/ingredient name	Result	Species	Dose	Exposure
<b>⋈</b> -1-naphthylaniline	LD50 Dermal LD50 Oral	Rabbit Rat	>5000 mg/kg 1625 mg/kg	-

**Conclusion/Summary** : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
N-1-naphthylaniline	1625	N/A	N/A	N/A	N/A
(4-nonylphenoxy)acetic acid	500	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
N-1-naphthylaniline	Skin - Mild irritant	Rabbit	-	4 hours 5 %	-
	Skin - Mild irritant	Rabbit	-	1008 hours 5 % I	-
	Skin - Mild irritant	Rabbit	-	50 %	-
Conclusion/Summary	: Not available.				

**Sensitization** 

## **SECTION 11: Toxicological information**

<b>Conclusion/Summary</b>	: Not available.
Mutagenicity	
<b>Conclusion/Summary</b>	: Not available.
<b>Carcinogenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
Reproductive toxicity	
<b>Conclusion/Summary</b>	: Not available.
<b>Teratogenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
Specific target organ tox	<u>icity (single exposure)</u>
Not available.	

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
₩-1-naphthylaniline	Category 2	-	blood system

#### Aspiration hazard

Not available.

Information on the likely routes of exposure	1	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	÷	Defatting to the skin. May cause skin dryness and irritation.
Ingestion	:	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure **Potential immediate** : Not available. effects Potential delayed effects : Not available. Long term exposure **Potential immediate** : Not available. effects Potential delayed effects : Not available. Potential chronic health effects Not available. **Conclusion/Summary** : Not available.

## **SECTION 11: Toxicological information**

General	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

#### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

Not available.

#### 11.2.2 Other information

Not available.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

**Conclusion/Summary** : Not available.

#### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
₱ stillates (petroleum), hydrotreated heavy paraffinic	-	-	Inherent

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Sistillates (petroleum), hydrotreated heavy paraffinic	>1	-	low
N-1-naphthylaniline	4.28	1424	high

#### 12.4 Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

**Product** 

## **SECTION 13: Disposal considerations**

Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Yes.

European waste catalogue (EWC)

Waste code	Waste designation	
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	
Packaging		
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.	
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.	

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

**14.6 Special precautions for : Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in** : Not available. bulk according to IMO instruments

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

#### Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

## **SECTION 15: Regulatory information**

Annex XVII - Restrictions :	
on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Other EU regulations	
Industrial emissions : (integrated pollution prevention and control) - Air	Not listed
Industrial emissions : (integrated pollution prevention and control) - Water	Not listed
Ozone depleting substances Not listed.	<u>(1005/2009/EU)</u>
Prior Informed Consent (PIC Not listed.	<u>) (649/2012/EU)</u>
Persistent Organic Pollutant Not listed.	<u>s</u>
Seveso Directive This product is not controlled u National regulations	inder the Seveso Directive.
<u>Denmark</u>	
MAL-code :	00-1
Protection based on MAL :	According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:
	<b>General:</b> Gloves must be worn for all work that may result in soiling. Apron/ coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.
	coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this
	coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required. In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as
	coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required. In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed. MAL-code: 00-1 Application: When spraying in existing* spray booths, if the operator is outside the
	<ul> <li>coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.</li> <li>In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.</li> <li>MAL-code: 00-1</li> <li>Application: When spraying in existing* spray booths, if the operator is outside the spray zone.</li> </ul>

## **SECTION 15: Regulatory information**

	<b>Drying:</b> Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc. must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.
	<b>Polishing:</b> When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.
	<b>Caution</b> The regulations contain other stipulations in addition to the above.
	*See Regulations.
Germany	5
	: 1
<u>Switzerland</u>	
VOC content	: Exempt.
International regulations	
	n List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol	
Not listed.	
Stockholm Convention on Period Not listed.	ersistent Organic Pollutants
Rotterdam Convention on Pr Not listed.	ior Informed Consent (PIC)
UNECE Aarhus Protocol on F Not listed.	POPs and Heavy Metals
Inventory list Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
	<b>Russian Federation inventory</b> : Not determined.
Japan	<ul> <li>Japan inventory (CSCL): Not determined.</li> <li>Japan inventory (ISHL): Not determined.</li> </ul>
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States of America	: All components are active or exempted.
Viet Nam	: Not determined.
15.2 Chemical Safety	: Chemical Safety Assessments for all substances in this product are either Complete

**15.2 Chemical Safety Assessment** or Not applicable.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms		shahad changed norm previously issued version.
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ASTM = American Society for Testing and Materials ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DIN = German Institute for Standardization DMEL = Derived Minimal Effect Level DNEL = Derived Monimal Effect Level DNEL = Derived No Effect Level DNEL = Derived No Effect Level DNEL = Derived No Effect Level DNEL = Derived Norm) EC50 = Haif maximal effective concentration EC50 = Haif maximal effective concentration EC50 = Haif maximal effective concentration EC50 = Haif maximal effective concentration BC = Intermediate Bulk Container IC50 = Intermational Air Transport Association IBC = Intermeticate Bulk Container IC50 = Intermational Maritime Organisation IBC = Intermational Maritime Organisation LC50 = Median lethal concentration LC50 = Median lethal dose LOAEL / LOAEC = Lowest Observed Adverse Effect Level / Concentration MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available NOAEL / NOEC = No Observed Adverse Effect Level / Concentration NOEL / NOEC = No Observed Effect Level / Concentration OECD = Organisation for Economic Co-operation and Development OECD = Organisation for Standardization and Development OECD = Organisation for Sconomic Co-operation and Development OECD = Organisation for Sconomic Co-operation and Development OECD = Organisation for Sconomic Co-operation for Chemicals Regulation [Regulation (EC) No. 1907/2006] RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail SDS = Safety Data Sheet SVHC = Substances of Very High Concern STEL = Short Term Exposure Limit TLV = Threshold Limit Value TWA = Time Weighted Average UFI = Unique Formula Identifier UN = United Nations		
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UN = United Nations VOC = Volatile Organic Compound		TWA = Time Weighted Average
VOC = Volatile Organic Compound		
vPvB = Very Persistent and Very Bioaccumulative		
		vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The mineral base oils contained in this product are severely refined and contain less than 3% DMSO extract according to IP 346 method, and are therefore not classified as carcinogen according to Regulation (EC) No 1272/2008, note L.

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

#### Full text of abbreviated H statements

Date of issue/Date of revision

## **SECTION 16: Other information**

<b>H</b> 302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

#### Full text of classifications [CLP/GHS]

Cute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM) - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Sens. 1A	SKIN SENSITIZATION - Category 1A
Skin Sens. 1B	SKIN SENSITIZATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Training advice	: Ensure operatives are trained to minimise exposures.
Date of printing	: 07-04-2023
Date of issue/ Date of	: 07-04-2023
revision	
Date of previous issue	e : 10-09-2019
Version	: 1.04
Prepared by	: Kuwait Petroleum Research & Technology B.V., The Netherlands
Notice to reader	

## The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.