

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 1 of 18

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

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

engine oil

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: SRS Schmierstoff Vertrieb GmbH
Street: Neuenkirchener Straße 8
Place: D-48497 Salzbergen
Telephone: 05976 - 945-0
Responsible Department: Abt. Produktsicherheit: info.reach@srs-oil.de

1.4. Emergency telephone number: Gift-Informationszentrum Nord (Göttingen)
Telefon 0551-19240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P501 Dispose of contents/container to local/regional/national/international regulations.

Special labelling of certain mixtures

EUH208 Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, triphenyl phosphite, methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate. May produce an allergic reaction.

2.3. Other hazards

Endocrine disrupting properties: phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched.

For information or further instructions, see also section 11 or 12.

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched: This substance has been listed as SVHC (substance of very high concern) in the Candidate List according to Article 59 of REACH.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
--------	---------------	----------

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 2 of 18

EC No	Index No	REACH No	
Classification (Regulation (EC) No 1272/2008)			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified		35 - < 40 %
265-157-1	649-467-00-8	01-2119484627-25	
Asp. Tox. 1; H304			
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated		30 - < 35 %
500-183-1		01-2119486452-34	
Asp. Tox. 1; H304			
Mineral Oil* (64742-54-7, 64742-65-0, 64742-55-8, 64742-56-9)			5 - < 7 %
Asp. Tox. 1; H304			
Mineral Oil* (64742-54-7, 64742-65-0, 64742-56-9)			5 - < 7 %
Asp. Tox. 1; H304			
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)		1 - < 3 %
224-235-5		01-2119493635-27	
Eye Dam. 1, Aquatic Chronic 2; H318 H411			
Calcium branched alkyl phenate sulphide			1 - < 3 %
Aquatic Chronic 4; H413			
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid		0.5 - < 1 %
939-580-3		01-2119976364-28	
Skin Sens. 1B; H317			
75975-85-8	Benzene, polypropene derivatives, sulfonated, calcium salts		0.5 - < 1 %
Skin Sens. 1B; H317			
27859-58-1	(tetrapropenyl)succinic acid		0.1 - < 0.2 %
248-698-8		01-2120752504-57	
Repr. 2, Skin Irrit. 2, Eye Dam. 1, STOT RE 2; H361 H315 H318 H373			
101-02-0	triphenyl phosphite		0.1 - < 0.2 %
202-908-4	015-105-00-7	01-2119511213-58	
Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H315 H319 H317 H400 H410			
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**		0.1 - < 0.2 %
201-297-1	607-035-00-6		
Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched		< 0.1 %
310-154-3	604-092-00-9	01-2119513207-49	
Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H360F H314 H318 H400 H410			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
Specific Conc. Limits, M-factors and ATE			
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	35 - < 40 %
dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg			
68037-01-4	500-183-1	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	30 - < 35 %
inhalation: LC50 = >5,2 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg			
4259-15-8	224-235-5	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1 - < 3 %

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 3 of 18

	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 3100 mg/kg Eye Dam. 1; H318: >= 80 - 100 Eye Irrit. 2; H319: >= 50 - < 80		
1471314-23-4	939-580-3	C14-18 alpha-olefin epoxide, reaction products with boric acid	0.5 - < 1 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >16000 mg/kg		
75975-85-8		Benzene, polypropene derivatives, sulfonated, calcium salts	0.5 - < 1 %
	Skin Sens. 1B; H317: >= 10 - 100		
27859-58-1	248-698-8	(tetrapropenyl)succinic acid	0.1 - < 0.2 %
	oral: LD50 = 2100 mg/kg		
101-02-0	202-908-4	triphenyl phosphite	0.1 - < 0.2 %
	inhalation: LC50 = >6,7 mg/l (dusts or mists); dermal: LD50 = >2000<5000 mg/kg; oral: ATE = 500 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100		
80-62-6	201-297-1	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**	0.1 - < 0.2 %
	inhalation: LC50 = 29,8 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 8400 mg/kg		
121158-58-5	310-154-3	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched	< 0.1 %
	dermal: LD50 = 15000 mg/kg; oral: LD50 = 2100 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10		

Further Information

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide 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).

**Substance for which a community occupational exposure limit value applies in the European Union.

*The mineral oil can be described by one or more EINECS numbers. 265-157-1, 265-169-7, 265-158-7, 265-159-2, (REACH-no.: 01-2119484627-25, 01-2119471299-27, 01-2119487077-29, 01-2119480132-48)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed or in the event of vomiting, risk of entering the lungs.

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

Treat symptomatically.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 4 of 18

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

In case of fire may be liberated: Carbon monoxide (CO). Carbon dioxide (CO₂) Sulphur dioxide (SO₂) Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Ventilate affected area.

Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. (See section 8.)

Avoid formation of oil dust.

Advice on protection against fire and explosion

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

Fire class B

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 5 of 18

Advice on general occupational hygiene

- Clean skin thoroughly after working.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash contaminated clothing before reuse.

Further information on handling

- Do not breathe vapour/aerosol.
- Avoid contact with eyes and skin.
- General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Hints on joint storage

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances

Further information on storage conditions

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified			
	Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
	Worker DNEL, long-term	inhalation	local	5,58 mg/m ³
	Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	local	1,19 mg/m ³
	Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)			
	Worker DNEL, long-term	inhalation	systemic	6,6 mg/m ³
	Worker DNEL, long-term	dermal	systemic	9,6 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	1,67 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	4,8 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,19 mg/kg bw/day



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 6 of 18

1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid		
Worker DNEL, long-term	dermal	local	0,09 mg/cm ²
Consumer DNEL, long-term	dermal	local	4,68 mg/cm ²
27859-58-1	(tetrapropenyl)succinic acid		
Worker DNEL, long-term	inhalation	systemic	1,2 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,7 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,3 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,3 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,2 mg/kg bw/day
101-02-0	triphenyl phosphite		
Worker DNEL, long-term	inhalation	systemic	0,53 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,15 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,53 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,15 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,075 mg/kg bw/day
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched		
Worker DNEL, acute	inhalation	systemic	44,18 mg/m ³
Worker DNEL, acute	dermal	systemic	166 mg/kg bw/day
Consumer DNEL, acute	inhalation	systemic	13,26 mg/m ³
Consumer DNEL, acute	dermal	systemic	50 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	1,26 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	1.762 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,25 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,79 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,075 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,075 mg/kg bw/day

PNEC values

CAS No	Name of agent	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	
	Secondary poisoning	9,33 mg/kg
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	
	Freshwater	0,004 mg/l
	Freshwater (intermittent releases)	0,044 mg/l
	Marine water	0,0046 mg/l
	Freshwater sediment	0,322 mg/l
	Secondary poisoning	8,33 mg/kg
	Micro-organisms in sewage treatment plants (STP)	0,038 mg/l

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 7 of 18

Soil		0,062 mg/kg
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid	
Freshwater		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		42700 mg/kg
Marine sediment		4270 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		8540 mg/kg
27859-58-1	(tetrapropenyl)succinic acid	
Freshwater		0,1 mg/l
Freshwater (intermittent releases)		1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		62,1 mg/kg
Marine sediment		6,21 mg/kg
Secondary poisoning		3,33 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		12,4 mg/kg
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched	
Freshwater		0,000074 mg/l
Freshwater (intermittent releases)		0,00037 mg/l
Marine water		0,000007 mg/l
Freshwater sediment		0,226 mg/kg
Marine sediment		0,027 mg/kg
Secondary poisoning		4 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,118 mg/kg

Additional advice on limit values

Air limit values:

Possibility of exposure to Aerosol (Mineral oil)

Limit value (TLV-TWA) = 5 mg/ m3 - Source: ACGIH

Limit value (TLV-STEL) = 10 mg/ m3 - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 8 of 18

Eye/face protection

Safety goggles with side protection. In case of increased risk add protective face shield. EN 166

Hand protection

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 374/EN 388.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Oil-resistant and hardly inflammable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Colour: clear

Odour: characteristic

Melting point/freezing point:

No information available.

Boiling point or initial boiling point and boiling range:

No information available.

Flammability:

No information available.

Lower explosion limits:

No information available.

Upper explosion limits:

No information available.

Flash point:

237 °C DIN ISO 2592

Auto-ignition temperature:

No information available.

Decomposition temperature:

No information available.

pH-Value:

No information available.

Viscosity / kinematic:

5396 mm²/s DIN EN ISO 3104

(at 40 °C)

Water solubility:

No information available.

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:

No information available.

Vapour pressure:

<0,1 hPa calculated.

(at 20 °C)

Vapour pressure:

No information available.

(at 50 °C)

Test method



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 9 of 18

Density (at 15 °C):	0,8597 g/cm ³ DIN 51757
Bulk density:	No information available.
Relative vapour density:	No information available.
Particle characteristics:	No information available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties	
none	
Sustaining combustion:	No data available
Self-ignition temperature	
Solid:	No information available.
Gas:	No information available.
Oxidizing properties	
none	

Other safety characteristics

Evaporation rate:	No information available.
Solvent separation test:	No information available.
Solvent content:	No information available.
Solid content:	No information available.
Sublimation point:	No information available.
Softening point:	No information available.
Pour point:	-51 °C ISO 3016
Viscosity / dynamic:	No information available.
Flow time:	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reactions known.
Refer to chapter 10.5.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 10 of 18

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	OECD 401
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	OECD 402
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated				
	oral	LD50 >5000 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat.	ECHA Dossier	
	inhalation (4 h) dust/mist	LC50 >5,2 mg/l	Rat.	ECHA Dossier	OECD 403
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	oral	LD50 > 3100 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 > 5000 mg/kg	Rabbit.	ECHA Dossier	
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid				
	oral	LD50 >16000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
27859-58-1	(tetrapropenyl)succinic acid				
	oral	LD50 2100 mg/kg	Rat	ECHA Dossier	OECD Guideline 401
101-02-0	triphenyl phosphite				
	oral	ATE 500 mg/kg			
	dermal	LD50 >2000<5000 mg/kg	Rabbit	REACH Dossier	OECD 402
	inhalation (1 h) dust/mist	LC50 >6,7 mg/l	Rat	REACH Dossier	OECD 403
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**				
	oral	LD50 8400 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) dust/mist	LC50 29,8 mg/l	Rat	ECHA Dossier	
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched				
	oral	LD50 2100 mg/kg	Rat	ECHA Dossier	OECD 401
	dermal	LD50 15000 mg/kg	Rabbit	ECHA Dossier	OECD 402

Irritation and corrosivity

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 11 of 18

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

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

Eye Dam. 1: SCL > 50%

Eye Irrit. 2: SCL > 50% (Source: Manufacturer)

Sensitising effects

Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, triphenyl phosphite, methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate. May produce an allergic reaction. May cause sensitisation especially in sensitive humans.

Carcinogenic/mutagenic/toxic effects for reproduction

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

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:

In vitro mutagenicity/genotoxicity Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies); Species: Mouse.; Results: Non-carcinogenic if DMSO extract as measured by IP346 is less than 3% m/m. Literature information: REACH Dossier; Reproductive toxicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Results: NOAEL > 1000 mg/kg Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Results: NOAEL >= 2000 mg/kg Literature information: REACH Dossier

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated:

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. Literature information: REACH Dossier; Reproductive toxicity: Species: Rat; Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL > 1000 mg/kg; Literature information: REACH Dossier

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. Literature information: REACH Dossier; Developmental toxicity/teratogenicity/Reproductive toxicity:; Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL = 30 mg/kg; Literature information: REACH Dossier

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: (inhalation.): OECD Guideline 451 (Carcinogenicity Studies, 6h/d); Species: Mouse.; Exposure duration: 2 years; Result: NOAEC = 4,1 mg/l; Literature information: REACH Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species: Rat; Result: NOAEL = 400 mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rabbit. Exposure duration: 28d; Result: NOAEL = 450 mg/kg; Literature information: REACH Dossier

triphenyl phosphite:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Literature information: REACH Dossier; Result: negative.; Reproductive toxicity: Species: Rat (Wistar); Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test); Exposure time: 112d; Results: NOAEL 40 mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Species: Rabbit.; Method: OECD 422; Results: NOAEL 15 mg/kg; Literature information: REACH Dossier

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.

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 12 of 18

Subacute inhalative toxicity: Method: -; Exposure time: 28d; Species: Rat; Results: NOAEL >980 mg/m³;
Literature information: REACH Dossier; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study); Exposure time: 28d; Species: Rabbit; Results: 1000 mg/kg; Literature information: REACH Dossier

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated:
Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Species: Rat; Results: NOAEL 1000 mg/kg; Literature information: REACH Dossier

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
Subacute oral toxicity: Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents);
Species: Rat; Results: NOAEL = 125 mg/kg; Literature information: REACH Dossier

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate:
Chronic oral toxicity: Method: -; Species: Rat; Exposure duration: 2 years; Results: NOAEL = 2000 ppm.
Literature information: REACH Dossier; Chronic inhalation toxicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies, 6h/d); Species: Rat; Exposure duration: approx. 2 years; Results: LOAEC = 250 ppm. Literature information: REACH Dossier

triphenyl phosphite:
Chronic oral toxicity: Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test); Exposure time: 112d; Species: Rat; Results: NOAEL 15 mg/kg

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

Endocrine disrupting properties: phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched.

This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

Frequently or prolonged contact with skin may cause dermal irritation.

SECTION 12: Ecological information

12.1. Toxicity

If this product contains phenol, dodecyl, branched (EC No. 310-154-3), this product is not to be classified as dangerous for the environment. Raw materials containing this substance have not been classified by our suppliers as hazardous to the environment on the basis of test data, expert judgement or analogy assessments.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified					
	Crustacea toxicity	NOEC 10 mg/l	21 d	Daphnia magna (OECD 211)	ECHA Dossier	
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated					
	Acute fish toxicity	LL50 >1000 mg/l	96 h	Pimephales promelas	ECHA Dossier	USEPA (1975)
	Acute crustacea toxicity	EL50 >1000 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC 125 mg/l	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 13 of 18

4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)					
	Acute fish toxicity	LC50	46 mg/l	96 h	Cyprinodon variegatus	ECHA Dossier
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid					
	Acute fish toxicity	LC50	LL50 > 100 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50	EL50 >100 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50	EL50 >100 mg/l	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC	10 mg/l	21 d	Daphnia magna	ECHA Dossier
27859-58-1	(tetrapropenyl)succinic acid					
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier OECD Guideline 203
	Acute algae toxicity	ErC50	100 mg/l	96 h	Pseudokirchneriella subcapitata	ECHA Dossier OECD Guideline 201
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	ECHA Dossier OECD Guideline 202
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**					
	Acute fish toxicity	LC50	410 mg/l	96 h	Pimephales promelas	ECHA Dossier
	Acute algae toxicity	ErC50	>110 mg/l	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50	720 mg/l	48 h	Daphnia magna	ECHA Dossier
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched					
	Acute fish toxicity	LC50	EL 50 = 40 mg/l	96 h	Pimephales promelas	ECHA Dossier
	Acute algae toxicity	ErC50	(0,36) mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Crustacea toxicity	NOEC	0,0037 mg/l	21 d	daphnia magna	ECHA Dossier OECD 211

12.2. Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 14 of 18

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	31%	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	2-4%	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated				
	OECD 301D / EEC 92/69 annex V, C.4-E	2 %	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	OECD 301D / EEC 92/69 annex V, C.4-E	< 5%	27	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid				
	OECD Guideline 301 B	26,7%	28	ECHA Dossier	
	Not readily biodegradable (according to OECD criteria)				
27859-58-1	(tetrapropenyl)succinic acid				
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	18,3 %	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				
101-02-0	triphenyl phosphite				
	OECD 301D / EEC 92/69 annex V, C.4-E	0,14%	28	REACH Dossier	
	Not readily biodegradable (according to OECD criteria)				
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**				
	OECD 301C / ISO 9408 / EWG 92/69 Anhang V, C.4-F	94%	14	ECHA Dossier	
	Readily biodegradable (according to OECD criteria).				
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched				
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	25%	28	ECHA Dossier	
	Not easily bio-degradable (according to OECD-criteria).				

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	>6,5
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	3,59
1471314-23-4	C14-18 alpha-olefin epoxide, reaction products with boric acid	>= 6.24 - 9.4
27859-58-1	(tetrapropenyl)succinic acid	>= 3,286
101-02-0	triphenyl phosphite	6,62
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**	1,32
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched	7,1

BCF

CAS No	Chemical name	BCF	Species	Source
121158-58-5	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched	2,9		



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 15 of 18

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects

No information available.

Further information

Ozone depletion potential (ODP): No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	UN 9006
<u>14.2. UN proper shipping name:</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<u>14.3. Transport hazard class(es):</u>	9
<u>14.4. Packing group:</u>	-
Hazard label:	-
Classification code:	M12

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
--------------------------------------	--

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 16 of 18

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched; phenol, 4-dodecyl-, branched

Restrictions on use (REACH, annex XVII):

Entry 30, Entry 75

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

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

REACH 1907/2006 Appendix XVII, No (mixture): 3

Observe in addition any national regulations!

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Additional information

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant

15.2 Chemical Safety Assessment
not applicable.**SECTION 16: Other information****Changes**

Rev.: 1,0 - 16.04.2015

Rev.: 1,1 - 27.04.2016

Rev.: 2,0 - 30.05.2017

Rev.: 3,0 - 27.06.2018

Rev.: 4,0 - 18.06.2019

Rev.: 5,0 - 23.07.2020; Changes in chapter: 3.2, 9.1, 11.1, 12.1, 15.1, 16

Rev.: 6,0 - 10.02.2021; Changes in chapter: 2.1, 3.2, 8.1, 11.1, 12.1, 12.2, 12.3, 15.1, 16

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 17 of 18

Rev.: 7,0 - 07.02.2022, Changes in chapter: 2.3, 3.2, 6.1, 6.3, 8.1, 8.2, 11.2, 12.5, 12.6, 12.7, 15.1, 16

Rev.: 8,0 - 31.01.2023, Changes in chapter: 2.3, 3.2, 9.1, 12.6, 16

Rev.: 8,1 - 16.10.2023, Changes in chapter: 2.2, 3.2, 8.1, 11.1, 11.2, 12.1, 12.2, 12.3, 12.7, 14, 15, 16

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NTP: National Toxicology Program

N/A: not applicable

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SVHC: substance of very high concern

TRGS Technische Regeln fuerGefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

WGK: Water Hazard Class (Germany)

Flam. Liq: Flammable liquid

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

Repr: Reproductive toxicity

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

SRS Leichtlauf-Motorenöl O-1178 / QB-B-0443

Revision date: 16.10.2023

Page 18 of 18

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360F	May damage fertility.
H361	Suspected of damaging fertility or the unborn child.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, triphenyl phosphite, methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate. May produce an allergic reaction.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)