

EC Safety Data Sheet

Date of issue / Reference - No.

31.08.06 00790.01

Replaces version of

30.09.03

High-temperature chain oil

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Company

Blaser Swissslube Ltd., CH-3415 Hasle-Rüegsau (Switzerland)
Tel.: int. ++41 (0)34 460 01 01

1 Commercial product name and supplier

1.1	Commercial product name / designation	High-temperature chain oil
	Art. No.	790-01
1.2	Application / use	Chain lubricant
1.3	Producer	Blaser Swissslube Ltd., CH-3415 Hasle-Rüegsau (Switzerland)
1.4	Supplier	Blaser Swissslube Ltd., CH-3415 Hasle-Rüegsau (Switzerland)
1.5	TOX emergency number CH	Abbreviated dialing: 145 (or: 01/ 251 51 51) Toxicol. Info-Centre CH-Zurich

2 Composition

2.1	Chemical characterisation	Mixture of synthetic esters and additives.
2.2	Hazardous components	<p>Hazardous substances according to the EC Directives 2001/58/EEC and 67/548/EEC:</p> <p>50 - 100% Mixture of synthetic esters with additives</p> <p>EINECS-No. n.a.</p> <p>R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>< 2.5% Diphenylamine, diisobutylene reaction product</p> <p>EINECS-No. 270-128-1</p> <p>N: Dangerous for the environment. : Dangerous for the environment. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>< 1.0% Oleoylsarcosine</p> <p>EINECS-No. 203-749-3</p> <p>Xi: Irritant. N: Dangerous for the environment. R38: Irritating to skin. R41: Risk of serious damage to eyes. R50: Very toxic to aquatic organisms.</p>
2.3	Further information	

3 Hazards identification

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First aid measures

4.1	Eye contact	Rinse thoroughly with water. If the irritation persists, consult a doctor.
4.2	Skin contact	Wash off with water and mild soap.
4.3	Ingestion	In case of persistent symptoms, consult a doctor.
4.4	Inhalation	Give the patient fresh air and in case of symptoms consult a doctor.
4.5	Further information	None

5 Fire-fighting measures

5.1	Suitable extinguishing media	Carbon dioxide, extinguishing powder, foam, water mist.
5.2	Extinguishing media to avoid	Direct jet of water
5.3	Further information	None

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6 Accidental release measures

Take up with liquid-binding material (sawdust, kieselguhr, universal binding agents).

Do not allow to get into drainage systems, rivers, lakes or the soil.

Particular risk of slipping due to leaked/spilled product.

7 Handling and storage

7.1 Handling

The usual precautions for the handling of chemicals are to be observed.

7.2 Industrial hygiene

Observe the usual measures of working hygiene.

Wash the hands after using the product.

7.3 Storage

Duration of storage: In original container, at least 3 years.

Storage temperature between 0 °C and 40 °C.

Do not expose to direct sunlight.

Store in closed, original containers.

7.4 Place of storage

7.5 Fire- and explosion protection

The usual protective measures for inflammable products are to be taken.

8 Exposure controls / personal protection

8.1 Technical equipment

No special measures.

8.2 Control of treshold limits

The product contains no ingredients with workplace-related limiting values requiring monitoring.

8.3 Personal protective equipment

8.3.1 Respiratory protection

Not required.

8.3.2 Hand protection

Suitable protective gloves: Nitril gloves, minimum thickness of 0.3 mm, e.g. Ultranitril type 491. Corresponds to the standards DIN/EN 374-2 and 374-3.

8.3.3 Eye protection

Eye protector with side protection (framed eyeglasses) EN 166

8.3.4 Other

Working clothes.

9 Physical and chemical properties

9.1 Appearance

Liquid

9.2 Color

amber

9.3 Odour

characteristic

9.4 Change in physical state

Pour Point

- 39 °C

Test method:

ISO 3016

9.5 Density

0.96 g/cm³ (20°C)

DIN 51757

9.6 Vapour pressure

n.b.

9.7 Viscosity

250 mm²/s (40°C)

DIN 51562

9.8 Solubility in water

practically insoluble

9.9 pH-value

n.a.

9.10 Flash point

260 °C

ISO 2592

9.11 Ignition temperature

n.a.

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9.12	Explosion limits	Lower: n.b. vol.% Upper: n.b. vol.%
9.13	Further information	The product does not contain mineral oil.

10 Stability and reactivity

10.1	Thermal decomposition	None when used according to the instructions.
10.2	Hazardous decomposition products	None when used according to the instructions.
10.3	Hazardous reactions	No dangerous reactions are known.
10.4	Further information	None

11 Toxicological information

11.1	Acute toxicity	LD ₅₀ (oral, rat): > 5000 mg/kg (calculated)
11.2	Further information	None

12 Ecological information

		The product must not be allowed to get into waste water, ground water, surface water or the soil. Separation through oil or gasoline separator.
12.1	Water-endangering Class	WEC: 1 - Slightly water-endangering

13 Disposal considerations

		To be disposed of according to the local authority regulations. In accordance with the local authority regulations. Germany: in accordance with the Law on Waste Disposal (AbfG).
13.1	European waste code	13 02 06
13.2	Swiss waste code	identically to the EC waste code (according to OMW of 01.01.2006)

14 Transport information

14.1	GGVE / GGVS RID / ADR UN-No. Kemler No. Overland statement	Class Class	Cipher Cipher	
14.2	GGVSee ADNR UN-No. IMDG-code page EMS MFAG Packing group See transport statement	Class Class	Cipher Cipher	Cat.
14.3	ICAO / IATA-DGR UN-No. Proper Shipping Name Subsidiary risk Labels Packing group Passenger aircraft Cargo aircraft only	Packing Instruction Packing Instruction	max. max.	
14.4	Further information	Not a hazardous material according to the above mentioned transport regulations.		

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15	Regulatory information	The product must be marked/identified according to the EC guidelines.	
15.1	Switzerland: FOPH T No.	--	
15.2	Swiss toxicity class	--	
15.3	EC-No.		
15.4	Hazard symbols	-	
15.5	Hazard designation	No hazard symbol applicable	
15.6	Risk phrases	R: 52/53	
		52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
15.7	Safety phrases	S: 61	
		61	Avoid release to the environment. Refer to special instructions / Safety data sheets.
15.8	MAK value	see point 8.2	
15.9	BVD classification	F5 I Fu PN3	
15.10	VbF		
15.11	Further information	None	
16	Other information	The product does not contain: PCB, PCT, TCDD (tetrachlorodibenzodioxin) and other dioxin-like substances.	
		Changes: Pts. 2.2; 3; 7; 8; 9; 13; 15	
		Abbreviations: n.a. = not applicable; n.b. = not determined	

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.