

EC Safety Data Sheet

Date of issue / Reference - No.

31.08.04 00171.01

Replaces version of

18.09.02

Vakuumpumpenöl 46

Page 1 of 4

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	Vakuumpumpenöl 46
	Art. No.	171-01
1.2	Application / use	Lubrication
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	Paraffin-based mineral oil - selective raffinate with active substances.
2.2	Hazardous components	Contains no hazardous substances according to the EC Directives 2001/58/EEC and 67/548/EEC.

2.3 Further information

3 Hazards identification

The product is **not** a hazardous preparation according to the EC guidelines, and therefore does not require marking and identification.

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	Do not induce vomiting, 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

6 Accidental release measures

Take up with oil binders.
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.
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EC Safety Data Sheet

Date of issue / Reference - No.

31.08.04 00171.01

Replaces version of

18.09.02

Vakuumpumpenöl 46

Page 2 of 4

7.2	Industrial hygiene	Keep away from food, drinks and animal feed. Wash the hands thoroughly before work-breaks and at the end of work. Change soaked clothing.
7.3	Storage	Store in closed, original containers. Storage with exclusion of heat, moisture and sources of ignition.
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	MAK value: 5 mg/m ³ (oil mist).
8.3	Personal protective equipment	
8.3.1	Respiratory protection	Not required.
8.3.2	Hand protection	Protective gloves are recommended if there may be prolonged or frequent contact with the skin.
8.3.3	Eye protection	Protective goggles are recommended.
8.3.4	Other	Working clothes.

9 Physical and chemical properties

9.1	Appearance	Liquid	
9.2	Color	lightyellow clearly	
9.3	Odour	weak	
9.4	Change in physical state Pour Point	- 27 °C	Test method: DIN ISO 3018
9.5	Density	0.88 g/cm ³ (15 °C)	ISO 3675
9.6	Vapour pressure	< 0.1 mbar (20°C)	
9.7	Viscosity	46 mm ² /s (40°C)	
9.8	Solubility in water	< 0.1 g/l insoluble	
9.9	pH-value	n.a.	
9.10	Flash point	210 °C	ISO 51758
9.11	Ignition temperature	> 500 °C	
9.12	Explosion limits	Lower: 0.6 vol.% (1013 mbar) Upper: 6.5 vol.% (1013 mbar) at formation of oil mist *	
9.13	Further information	* general values for mineral oil.	

10 Stability and reactivity

10.1	Thermal decomposition	None when used according to the instructions.
10.2	Hazardous decomposition products	Incomplete combustion and/or thermal decomposition lead to the formation of smoke, carbon dioxide and hazardous gases such as carbon monoxide.

EC Safety Data Sheet

Date of issue / Reference - No.

31.08.04 00171.01

Replaces version of

18.09.02

Vakuumpumpenöl 46

Page 3 of 4

10.3 Hazardous reactions No dangerous reactions are known.
 10.4 Further information None

11 Toxicological information

11.1 Acute toxicity LD₅₀ (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.
 12.1 Water-endangering Class WEC: 1 - Slightly water-endangering

13 Disposal considerations

Switzerland: in accordance with the OMSW of 12.11.1986.
 In accordance with the local authority regulations.
 Germany: in accordance with the Law on Waste Disposal (AbfG).
 13.1 European waste code 13 01 10
 13.2 Swiss waste code 1440

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.		

15 Regulatory information

The product **does not** require marking/identification according to the EC guidelines.
 15.1 Switzerland: FOPH T No. 611500
 15.2 Swiss toxicity class Free of toxicity class
 15.3 EC-No.
 15.4 Hazard symbols -

EC Safety Data Sheet

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31.08.04 00171.01

Replaces version of

18.09.02

Vakuumpumpenöl 46

Page 4 of 4

15.5	Hazard designation	No hazard symbol, no R/S phrases applicable
15.6	Risk phrases	R: -
15.7	Safety phrases	S: -
15.8	MAK value	see point 8.2
15.9	BVD classification	F4 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 dioxine-like substances.
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Changes: Pts. 2.2; 3; 12.1; 13.1; 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.