



Safety data-sheet (91/155 EEC)

Printed

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Revision

29.09.2006 (GB) Version 1.5

gleitmo SFL 9563

A00563

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product

gleitmo SFL 9563

Manufacturer/distributor

Fuchs Lubritech GmbH
Hans-Reiner-Straße 7-13, D-67685 Weilerbach/ Germany
Postbox POBox 51, D-67683 Weilerbach/ Germany
Phone +49 (0) 6374 / 924-5, Fax + 49 (0) 6374 / 924-940

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Advice

Product Safety Management
Phone +49 (0) 6374 / 924-808
Fax +49 (0) 6374 / 924-939

Emergency advice

EMERGENCY TELEPHONE NO.

Recommended intended purpose(s)

Lubricating film

800-255-3924

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Mixture of resin and solid lubricants in a solvent compound

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
108-65-6	203-603-9	2-methoxy-1-methylethylacetate	50 - 60	R10; Xi R36
107-98-2	203-539-1	Propylenglykolmonomethylether	ca. 2,5	R10
1330-20-7	215-535-7	xylene	5 - 10	R10; Xn R20/21; Xi R38

Additional advice

none at appropriate handling and storage

3. HAZARDS IDENTIFICATION

R-phrases

10 Flammable.
36 Irritating to eyes.

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately, do not leave to dry.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In case of respiratory standstill give artificial respiration by respirator and send for a doctor.

In case of skin contact

In case of contact with skin wash off with warm water.

Don't use organic solvents

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

Do not make mouth-to-mouth resuscitation.

Call for a doctor immediately.

Rinse out mouth and give plenty of water to drink.

Physician's information / possible symptoms

No symptoms known so far.

Treatment (Advice to doctor)

Treat symptoms.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Alcohol-resistant foam
Dry fire-extinguishing substance
Carbon dioxide
water mist

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as harmful when being inhaled.

Special protective equipment for fire-fighters

In case of rescue and maintenance activities in storage containers use environment-independent breathing apparatus because of risk of suffocation by edging out of air oxygen

Wear suitable personal protective equipment for fire extinguishing measures.

Additional information

Cool endangered containers with water spray jet.

Apply foam in large quantities because some of it is destroyed by the product.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

High risk of slipping due to leakage/spillage of product.

Environmental precautions

Do not discharge into the drains or bodies of water..

Prevent spread over a wide area (e.g. by containment or oil barriers).

Suppress gases/vapours/mists with water spray jet

Do not discharge into the subsoil/soil.

Methods for cleaning up

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. general-purpose binder).

Take up soaked earth.

Additional Information

Informations for disposal see chapter 13.

7. HANDLING AND STORAGE

Advice on safe handling

Care for thoroughly room ventilation, if necessary suck off at workplace.

During thermal processing and / or machining extraction at processing machines is necessary.

Use explosion-protected equipment / fittings.

Avoid heating above 80°C

Use solvent-resistant equipment.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

The product is combustible.

Vapours can form an explosive mixture with air.

Highly volatile, flammable components are released in processing.

Risk of explosion if the liquid enters the sewage system.

Ignitable mixtures can be formed in the empty container.

Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

Prevent penetration into the ground.

Advice on storage compatibility

Do not store together with oxidising and self-inflammable materials.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.

Protect from heat and direct solar radiation.

Store in a dry place.

Recommended storage temperature: room temperature.

Storage group 3A

Fire class B



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Information on storage stability

In enclosed original container and at storage temperature of 25°C maximum product keeps stable for at least 12 months.

Recommendation(s) for intended use

see Product information

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

Exhaust or ventilation at higher working temperatures

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS-No.	Name	Code	[mg/m ³]	[ppm]	Remark
1330-20-7	xylene, mixed isomers, pure	8 hours	221	50	skin
		Short-term	442	100	
107-98-2	1-methoxy-2-propanol	8 hours	375	100	skin
		Short-term	568	150	
108-65-6	2-methoxy-1-methylethylacetate	8 hours	275	50	skin
		Short-term	550	100	

Additional advice

As basis for this information served the valid references.

Respiratory protection

Not required at determined application

Hand protection

Gloves (solvent-resistant)
nitrile gloves

Eye protection

safety goggles with side protection

Skin protection

Usual working clothes for chemical industries

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.
Follow general rules of industrial hygiene for safe handling of chemical products
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
Work in rooms with good ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

liquid

Colour

black

Odour

of organic solvents

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state					
					not applicable
boiling range	143 - 151 °C			DIN 51751	concerning solvent
starts to melt	< -64 °C			ASTM D 97	concerning solvent
Flash point	32 °C			DIN/ISO 2592	
Combustion temperature	333 °C			DIN 51794	
Autoignition					unknown
Lower explosion limit	ca. 1,5 Vol-%				
Upper explosion limit	ca. 7 Vol-%				
Density	ca. 1,1 g/cm ³	20 °C		DIN 51757	
Solubility in water					more or less insoluble

Explosive properties

In and after use danger of production of inflammable compounds
Possible explosive electrical discharge on account of static charge



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Additional information
Product effects hygroscopic.

10. STABILITY AND REACTIVITY

Conditions to avoid

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Materials to avoid

Reactions with oxidising agents.
Reactions with alkalies.

Hazardous decomposition products

none at appropriate handling and storage

Thermal decomposition

Remark No decomposition if suitable use.

Additional information

Bildung explosionsfähiger Gemische beim Versprühen: Beachte UVV 23 sowie ZH 1/10 (only GER)

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	> 2000 mg/kg	rat		
LD 50 acute dermal	> 2000 mg/kg	rat		

Irritability skin

frequent and/or persistent contact may cause skin irritation

Irritability eye

irritant

Sensitization skin

No sensitizing effect known

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.
After evaporation of solvent/water - quota a physiological GRAS sliding coat remains

Additional information

Toxicological data refer to solvent.
The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC).

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				not determined

Mobility and bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.
preparation is water insoluble and does not formate emulsion

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 100 mg/l			Information refers to main component.
Daphnia	EC50 > 100 mg/l			Information refers to main component.
Algae	EC50 > 1000 mg/l			Information refers to main component.
Bacteria	EC50 > 1000 mg/l			Information refers to main component.

Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

General regulation

Product is not allowed to discharge into the ground water or aquatic environment.
The information to ecology refers to solvent.



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13. DISPOSAL CONSIDERATIONS

Waste code No.

07 06 04*
08 01 11*

Name of waste

other organic solvents, washing liquids and mother liquors
waste paint and varnish containing organic solvents or other dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Standardized regulations for residual waste disposal within the EG member states do not exist.
German statutes are prescribed in the law of "recycling and waste" (KrW/AbfG)
used absorbents of chapter 6: EAK 07 06 10

Recommendations for packaging

Totally emptied packaging may be taken for recycling.
Dispose one-trip container according to local authority prescriptions
EAK 15 01 99 D1: packing material with harmful contamination

General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste
Therefore the a.m. recommendation has to be checked in case of need.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1993 Entzündbarer flüssiger Stoff, n.a.g. (1-methoxy-2-propyl acetate), 3, III, Special provisions 640 E

Marine transport IMDG

UN 1993 flammable liquid, n.o.s. (1-methoxy-2-propyl acetate), 3, III

Air transport ICAO/IATA-DGR

UN 1993 flammable liquid, n.o.s. (1-methoxy-2-propyl acetate), 3, III

Remarks

PG309 60 L Passenger and Cargo-Aircraft; PG 310 220 L Cargo Aircraft only

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.
Classification happened on the basis of calculation methods of preparation directive (88 / 379 / EEC).

Classification

Xi Irritant

R-phrases

10 Flammable.
36 Irritating to eyes.

S-phrases

24/25 Avoid contact with skin and eyes.
51 Use only in well-ventilated areas.

Hazardous ingredients for labeling

2-methoxy-1-methylethylacetate

National regulations

**Decree for case of interference/
remarks**

Anhang I, Nr. 6

Water hazard class

2

Mixture-WGK according to VwVwS (GER)
preliminary

Other regulations, restrictions and prohibition regulations

ZH 1/124 "Plant instructions for working with hazardous substances (A 010)"
ZH 1/319 "Data Sheet: Solvents (M 017)"

VOC standard

VOC content

ca.69 %



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16. OTHER INFORMATION

Training advice

Use information in this MSDS

Recommendend uses and restrictions

usage only according to instructions for use and observance of warning notes

National and local regulations concerning chemicals shall be observed.

Further information

The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.

Substantial changes to the former version are marked by "!" on the left margin of the paper.

Refer to product information paper.

Sources of key data used

Material Safety Data Sheets of raw materials

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 36 Irritating to eyes.

R 38 Irritating to skin.