

Material Safety Data Sheet

according to 91/155/EEC - 2001/58/EC

Oerlikon Balzers Coating
Coating Services

Product name : BALINIT® Hardlube
Revision : 04.12.2006 Version : 1.0.0
Print date : 02.04.2007

01. Identification of substance, preparation and company

Product name:

BALINIT® Hardlube

Manufacturer

OC Oerlikon Balzers AG

Street/P.O.Box

Iramali 18

Country code/Postal code/Town/City

9496 Balzers

Telephone / Telefax

+423 388 75 00 / +423 388 54 19

Emergency information

0041 (0)44 251 51 51

02. Composition/information on ingredients

Hazardous components

-

03. Hazards identification

Hazard designation

-

Additional information

04. First-aid measures

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected. Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush away with water and rinse. Flush with plenty of water.

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician. Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Do not induce vomiting - call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Foam, CO2, powder extinguisher. Water.

Unsuitable extinguishing media

None known.

Additional information

None.

06. Accidental release measures

Personal precautions

Take the precautions customary when handling chemicals.

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Environmental precautions

Do not empty into drains.

07. Handling and storage

Information for safe handling

Only use in locations with adequate suction ventilation. Avoid contact with skin and eyes.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Further information about storage conditions

Containers should be kept dry and sealed.

08. Exposure controls and personal protection

Personal protective equipment

General protective and hygiene measures

Keep away from food, drink and animal feeding stuff

Respiratory protection

Fresh air masks are recommended, or combination filters A2-P2 for works of short duration.

Eye protection

Use safety glasses.

Body protection

Light protective clothing.

09. Physical and chemical properties

Image

Form : Solid.
Colour : grey
Odour : Odourless.

Relevant safety data

Boiling point / range :	(1013 hPa)	100	°C
Flash point :		not applicable	°C
Vapour pressure :	(50 °C)	no data available	hPa
Density :	(20 °C)	1	g/cm ³
Solvent-separation test :	(20 °C)	no data available	%
Solubility in water :	(20 °C)	100	g/l
pH value :	(20 °C / 10 g/l)	ca. 10	
Flow time :	(20 °C)	no data available	s DIN-cup 4 mm
Viscosity :	(20 °C)	no data available	mPa.s

Additional information

Friction coefficient against steel: 0.15 - 0.20 Microhardness (HV 0.05): 3000

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Reactions with acids possible Reaction with oxidizing agents possible. None.

11. Toxicological information

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12. Ecological information

13. Disposal considerations

In accordance with local official regulations.

Product

Waste key

Waste code (91/689/EEC) : 06 04 05*

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

15. Regulatory information

Classification according to EEC directives

Special designation for certain preparations

101 Safety data sheet available for professional user on request.

16. Other information

The user is responsible for the observance of all required statutory provisions.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
