

# Material Safety Data Sheet

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

Oerlikon Balzers Coating  
Coating Services

Product name : BALINIT® MICRAN  
Revision : 07.12.2006      Version : 1.0.0  
Print date : 11.04.2007

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## 01. Identification of substance, preparation and company

### Product name:

BALINIT® MICRAN

### 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

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## 02. Composition/information on ingredients

### Hazardous components

ALUMINIUMNITRID ; EC-No. : 246-140-8 ; CAS-No. : 24304-00-5

Percentage : < 5 %

Classification : Xi ; R 37

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## 03. Hazards identification

### Hazard designation

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### Additional information

There are no data available on the product itself.

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## 04. First-aid measures

### After inhalation

No particular measures required.

### After skin contact

Immediately remove all contaminated clothing. Flush away with water and rinse.

### After eye contact

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

### After ingestion

Do not induce vomiting - call a physician.

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## 05. Fire-fighting measures

### Suitable extinguishing media

Foam, CO2, powder extinguisher.

### Unsuitable extinguishing media

None known.

### Additional information

None.

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## 06. Accidental release measures

### Personal precautions

Take the precautions customary when handling chemicals.

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## Environmental precautions

Do not empty into drains.

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## 07. Handling and storage

### Information for safe handling

Normal precautions taken when handling chemicals should be observed.

### Information about protection against explosions and fires

No anti-explosion measures necessary.

### Further information about storage conditions

Containers should be kept dry and sealed.

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## 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

No particular measures required.

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## 09. Physical and chemical properties

### Image

Form : Solid.  
Colour : Violet-grey  
Odour : Odourless.

### Relevant safety data

Boiling point / range :	( 1013 hPa )	not applicable	°C
Flash point :		not applicable	°C
Vapour pressure :	( 50 °C )	no data available	hPa
Solubility in water :	( 20 °C )	insoluble	g/l

### Additional information

Microhardness (HV 0.05): 3300 Friction coefficient against steel: 0.30 - 0.35

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## 10. Stability and reactivity

### Conditions to avoid

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

### Materials to avoid

Reaction with oxidizing agents possible. Reactions with acids possible

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## 11. Toxicological information

### Toxicological tests

#### Primary irritant effect

No known toxic effects on humans.

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## 12. Ecological information

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## Additional ecological information

### General ecological information

Do not empty the product into drains, do not store on public depositories disposal: in accordance with local official regulations.

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## 13. Disposal considerations

In accordance with local official regulations.

### Product

#### Waste key

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

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## 14. Transport information

### Land transport ADR/RID

#### Classification

Class : -

#### Remarks

### Maritime transport IMDG/GGVSea

#### Classification

IMDG-Code : -

### Air transport ICAO-TI and IATA-DGR

#### Classification

Class : -

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## 15. Regulatory information

### Classification according to EEC directives

#### Special designation for certain preparations

101      Safety data sheet available for professional user on request.

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## 16. Other information

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

### Further information

#### R-Phrases of components

37      Irritating to respiratory system

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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.

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