

Weicon GmbH

Revision date: 20.10.2009

Revision no.:

1,00

Casting Resin MS 1000, Hardener

7619-0010

1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

Casting Resin MS 1000, Hardener

Further trade names

10520-1

Use of the substance/preparation

Adhesive

Company/undertaking identification**Manufacturer**

Weicon GmbH

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Responsible for the safety data sheet: sds@gbk-ingelheim.de

Supplier

WEICON Inc.

20 Steckle Place, Unit 20

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Emergency telephone number: 0 11 49 178 433 74 34 (CONSULTANK Lutz Harder GmbH)

2. Hazards identification**Classification**

Indications of danger : Irritant

R-phrases:

Irritating to skin.

Risk of serious damage to eyes.

May cause sensitization by skin contact.

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

3. Composition/information on ingredients**Chemical characterization (Mixture)**

Modified aliphatic polyamine.

Hazardous components

CAS-No.	Chemical name	Quantity
112-24-3	3,6-diazaoctanethylenediamin, triethylenetetramine	22 - 30 %

4. First aid measures**General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

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After contact with skin

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.

If swallowed give water to drink.

5. Fire-fighting measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

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

Fire may produce:

Toxic gases/vapours

Carbon monoxide and carbon dioxide.

Nitrogen oxides (NO_x)

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

6. Accidental release measures

Personal precautions

Remove persons to safety.

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Shovel into suitable container for disposal.

7. Handling and storage

Handling

Advice on safe handling

Avoid formation of aerosols.

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

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Storage temperature between 2°C to 40°C.

Storageclass (VCI): 13

8. Exposure controls/personal protection**Exposure limit values****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Hand protection

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles

Skin protection

Light protective clothing

Safety Shoes

9. Physical and chemical properties**General information**

Physical state:	Liquid
Colour:	Clear
Odour:	Similar to amine

Important health, safety and environmental information

pH-Value (at 20 °C):	approx. 12	Test method
		1:1 in water

Changes in the physical state

Boiling point:	> 200 °C
Flash point:	152 °C DIN 51758
Vapour pressure: (at 20 °C)	0,001 hPa
Density (at 25 °C):	1-1,05 g/cm ³
Water solubility: (at 20 °C)	Miscible
Viscosity / dynamic: (at 25 °C)	370-470 mPa·s

10. Stability and reactivity**Conditions to avoid**

Keep away from heat.

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Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NO_x)

Toxic gases/vapours

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information**Acute toxicity**

LD50/oral/rat: = 4500 mg/kg

LD50/dermal/rat: = >2150 mg/kg

Corrosive and irritant effects

Skin irritation = Irritant

OECD 404

Eye irritation = Irritant - risk of strong eye injuries.

OECD 405

Sensitizing effects

Sensitization skin (guinea pig): Sensitizing

12. Ecological information**Further information**

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

13. Disposal considerations**Advice on disposal**

Remove in accordance with local official regulations.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information**Canadian TDG****Proper shipping name**

Not regulated.

Land transport (ADR/RID)**Description of the goods**

No hazardous material as defined by the transport regulations.

Other applicable information

No hazardous material as defined by the transport regulations.

15. Regulatory information**Canadian regulations****DSL/NDSL inventory status**

All of the components are listed on the DSL Inventory.

WHMIS classification

WHMIS: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products



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Regulations (CPR) and the MSDS contains all information required by the CPR.

16. Other information

Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)