

Weicon GmbH

Revision date: 20.10.2009

Revision no.:

1,00

Casting Resin MS 1000, Hardener

7619-0010

## **1. Product and Company Identification**

### **Commercial product name**

Casting Resin MS 1000, Hardener

### **Further trade names**

10520-1

### **Chemical characterization ( Mixture )**

Modified aliphatic polyamine.

### **Company/undertaking identification**

#### **Manufacturer**

Weicon GmbH

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## **2. Hazards Identification**

### **Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

### **Signs and Symptoms of Exposure**

CAUTION !

Irritating to skin.

Risk of serious damage to eyes.

May cause sensitization by skin contact.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

## **3. Composition/Information on Ingredients**

### **Hazardous components**

CAS No.	Components	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.

### **After contact with skin**

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

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**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.

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**5. Fire Fighting Measures**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet

**Special hazards arising from the chemical**

Fire may produce:

Toxic gases/vapours

Carbon monoxide and carbon dioxide.

Nitrogen oxides (NO<sub>x</sub>)

**Protective equipment and precautions for firefighters**

Use breathing apparatus with independent air supply.

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**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.

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**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.

Storage temperature between 2°C to 40°C.

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**8. Exposure Controls/Personal Protection**

**Exposure limit values**

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**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 &lt;Butoject 898&gt; 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****Appearance**

Form:	Liquid
Color:	Clear
Odor:	Similar to amine

**Important health, safety and environmental information**

		Test method
pH-Value (at 20 °C):	approx. 12	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 <sup>3</sup>
Water solubility: (at 20 °C)	Miscible
Viscosity / dynamic: (at 25 °C)	370-470 mPa·s

**10. Stability and Reactivity****Stability**

Stable

**Conditions to avoid**

Keep away from heat.

**Materials to avoid**

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.



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**Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Toxic gases/vapours

**Possibility of Hazardous Reactions**

Will not occur

**Additional information**

No decomposition if stored and applied as directed.

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**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

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**12. Ecological Information**

**Further information**

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

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**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.

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**14. Transport Information**

**US DOT 49 CFR 172.101**

**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.

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**15. Regulatory Information**

**U.S. Regulations**

**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**SARA**

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

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**State Regulations**

This product contains max VOC: 0%

**16. Other Information****Hazardous Materials Information Label (HMIS)**

Health: 1

Flammability: 1

Physical Hazard: 0

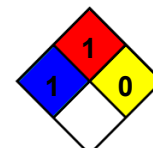
**NFPA Hazard Ratings**

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard:

**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)"

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