

Weicon GmbH

Revision date: 30.10.2009

Revision no.:

1,00

Plastic-Metal SF Hardener

7619-0028

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

Plastic-Metal SF Hardener

Further trade names

10250-1

Use of the substance/preparation

Hardener

Company/undertaking identification**Manufacturer**

Weicon GmbH

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D-48157 Münster

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Telefax: +49 (0) 251 9322 - 244

e-mail: info@weicon.de

Internet: www.weicon.de

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

Supplier

WEICON Inc.

20 Steckle Place, Unit 20

Kitchener, Ontario N2E 2C3

Telephone: 519 896 5252

Telefax: 519 896 5254

e-mail: info@weicon.ca

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

2. Hazards identification**Classification**

Indications of danger : Corrosive

R-phrases:

Causes burns.

Risk of serious damage to eyes.

May cause sensitization by skin contact.

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

Hardener for a 2-component epoxy adhesive

Hazardous components

CAS-No.	Chemical name	Quantity
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	5 - 13 %
14970-87-7	2,2'-[1,2-ethanediybis(oxy)]bis(ethanethiol)	1 - 2.4 %
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1 - 2 %
104-19-8	N,N,4-trimethylpiperazine-1-ethylamine	1 - 2 %

4. First aid measures**General information**

Remove contaminated soaked clothing immediately.

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

Take off immediately all contaminated clothing.

In case of contact with skin wash off with soap and water.

In case of irritation consult a physician.

After contact with eyes

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

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

Refer for medical treatment.

If swallowed seek medical advice immediately and show the doctor packing or label.

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:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment for fire-fighters

A self contained breathing apparatus should be worn in fire conditions.

Protective suit

Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

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.

Shovel into suitable container for disposal.

Clean contaminated surface thoroughly.

7. Handling and storage

Handling

Advice on safe handling

Keep container tightly closed.

Handle and open container with care.

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing. Avoid formation of aerosols.

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Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking.

Further information on handling

Open and handle container with care.

Storage**Requirements for storage rooms and vessels**

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

Protect from direct solar radiation.

Storage temperature between 2°C to 40°C.

Advice on storage compatibility

Incompatible with:

Acids and bases.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Do not store together with food.

Storageclass (VCI):

8 A

8. Exposure controls/personal protection**Exposure limit values****Additional advice on limit values**

Contains epoxy compounds. Observe the instructions of the manufacturer

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale gases/vapours/aerosols.

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

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

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.

Pls. find examples in the GISBAU protective gloves database under:

<http://www.wingisonline.de/handschuhe/frmMain.aspx>**Eye protection**

Tightly fitting goggles

Protective shield

Skin protection

Light protective clothing

Safety Shoes

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9. Physical and chemical properties

General information

Physical state: Pasty
 Colour: Beige
 Odour: 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	
Decomposition point:	>200 °C
Flash point:	> 100 °C Pensky-Martens CC EN 22719
Lower explosion limits:	n.d.
Vapour pressure: (at 20 °C)	<0,01 hPa
Density (at 20 °C):	1,15 g/cm ³
Water solubility: (at 20 °C)	More or less insoluble
Other information	
Ignition temperature:	n.d.

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Toxic gases/vapours

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

LD50/oral : >2000 mg/kg Rat

Corrosive and irritant effects

Skin irritation: Corrosive Rabbit

Eye irritation : Corrosive Rabbit eye

Sensitizing effects

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

Empirical data on effects on humans

The product causes burns of eyes, skin and mucous membranes.

Harmful in contact with skin.

Sensitization through skin contact possible.

Ingestion causes burns of the upper digestive and respiratory tracts.

Components of the product may be absorbed into the body through the skin.

Contact with eyes may cause corneal injury.

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12. Ecological information**Further information**

Ecological data are not available.

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

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

13. Disposal considerations**Advice on disposal**

Remove in accordance with local official regulations.

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Empty containers may be recycled. Otherwise dispose of in accordance with applicable regulations.

Contaminated packaging

Contaminated packaging 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.

Packaging that cannot be cleaned should be disposed of like the product.

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

Amines, liquid, corrosive, n.o.s. (N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine)

UN/ID number: UN2735

Hazard classes: 8

Packing group: III

Hazard label: 8

Land transport (ADR/RID)

UN number: 2735

ADR/RID class: 8

Classification Code: C7

Warning plate

Hazard-no.: 80

Hazard label: 8



ADR/RID packing group: III

Limited quantity: LQ 7

Description of the goods

Amines, liquid, corrosive, n.o.s. (N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine)

Other applicable information (land transport)

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Tunnel restriction code: E

Transport category: 3

Marine transport

UN number: 2735

IMDG code: 8

Marine pollutant: No

Hazard label: 8

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IMDG packing group:

III

EmS:

F-A; S-B

Limited quantity:

5 L / 30 kg

Description of the goods

AMINES, LIQUID, CORROSIVE, N.O.S. (N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine)

Other applicable information (marine transport)

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Air transport

UN/ID number:

2735

ICAO/IATA-DGR:

8

Hazard label:

8



ICAO packing group:

II

Limited quantity Passenger:

Y818 / 1 L

IATA-packing instructions - Passenger:

818

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

820

IATA-max. quantity - Cargo:

60 L

Description of the goods

AMINES, LIQUID, CORROSIVE, N.O.S. (N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine)

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

All of the components are listed on the DSL Inventory.

WHMIS classification

WHMIS: D2B & E

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

Additional information

GISCODE according to industry-specific regulation acid-proof construction of May 11th, 2006

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.)