

Weicon GmbH

Revision date: 19.01.2010

Revision no.:

1,00

Urethane Hardener 80

7619-0126

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

Urethane Hardener 80

Further trade names

10510-4

Use of the substance/preparation

Adhesive

Company/undertaking identification**Manufacturer**

Weicon GmbH

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D-48157 Münster

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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

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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 : Harmful, Dangerous for the environment

R-phrases:

Harmful if swallowed.

May cause sensitization by skin contact.

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

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

Hardener for a 2-component epoxy adhesive

Hazardous components

CAS-No.	Chemical name	Quantity
106264-79-3	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine	25 - 50 %

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.

If symptoms persist, call a physician.

After ingestion

Do not induce vomiting.

Summon a doctor immediately.

Rinse out mouth and give plenty of water to drink.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), 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)

Nitrogen oxides (NO_x)

Special protective equipment for fire-fighters

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

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

Use personal protective clothing.

In case of vapour formation use respirator.

Ensure adequate ventilation.

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.

7. Handling and storage

Handling

Advice on safe handling

Keep in closed original container.

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

Pay attention to general rules of internal fire prevention.

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Further information on handling

Avoid formation of aerosols.

Storage**Requirements for storage rooms and vessels**

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

Advice on storage compatibility

Protect from atmospheric moisture and water.

Storageclass (VCI):

13

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 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

In full or splash contact: Glove of nitrile rubber, layer thickness 0,11 mm, breakthrough time > 480 min.

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

Protective clothing

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

Physical state:

Liquid

Colour:

Brown

Odour:

Similar to amine

Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point:

>200 °C DIN 53171

Flash point:

>150 °C Closed cup

Density (at 20 °C):

1 g/cm³ ISO 2811

Water solubility:

Immiscible

(at 20 °C)

Viscosity / dynamic:

45 mPa·s ISO 9371

(at 25 °C)

10. Stability and reactivity

Conditions to avoid

Water

Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

Exothermic reaction.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Ammonia

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Corrosive and irritant effects

Skin irritation (rabbit): Non-irritant

Eye irritation (rabbit): Non-irritant

Sensitizing effects

Sensitization through skin contact possible.

Sensitization skin (guinea pig): Sensitizing

Empirical data on effects on humans

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

12. Ecological information

Ecotoxicity

Toxic to fishes.

Further information

Do not discharge product unmonitored into the environment.

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

Product is not allowed to discharge into the ground water or aquatic environment.

Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

13. Disposal considerations

Advice on disposal

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

The waste code number must be agreed with the disposer / manufacturer / competent authority.

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

Environmentally hazardous substance, liquid, n.o.s. (6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

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UN/ID number:	UN3082
Hazard classes:	9
Packing group:	III
Hazard label:	9

Land transport (ADR/RID)

UN number:	3082
ADR/RID class:	9
Classification Code:	M7
Warning plate	
Hazard-no.:	90
Hazard label:	9



ADR/RID packing group:	III
Limited quantity:	LQ27

Description of the goods

Environmentally hazardous substance, liquid, n.o.s.
(6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

Other applicable information (land transport)

Transport category: 3

Tunnel restriction code: E

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with > 5 kg or 5 L.

Marine transport

UN number:	3082
IMDG code:	9
Hazard label:	9



IMDG packing group:	III
EmS:	F-A; S-F
Limited quantity:	5 L / 30 kg

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

Other applicable information (marine transport)

Additional label with symbol "fish and tree" according to subsection 5.2.1. IMDG Code for single packagings and inner packagings with > 5 kg or 5 L.

Air transport

UN/ID number:	3082
ICAO/IATA-DGR:	9
Hazard label:	9



ICAO packing group:	III
Limited quantity Passenger:	Y914 / 30 kg G
IATA-packing instructions - Passenger:	914

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IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	914
IATA-max. quantity - Cargo:	450 L

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

Other applicable information (air transport)

Additional label with symbol "fish and tree" according to subsection 7.1.6.3. IATA/DGR for single packagings and inner packagings with > 5 kg or 5 L.

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 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.)