

Weicon GmbH

Revision date: 19.01.2010

Revision no.:

1,00

Urethane Hardener 80

7619-0126

1. Product and Company Identification

Commercial product name

Urethane Hardener 80

Further trade names

10510-4

Chemical characterization (Mixture)

Hardener for a 2-component epoxy adhesive

Company/undertaking identification

Manufacturer

Weicon GmbH

Königsberger Straße 255

D-48157 Münster

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

2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

CAUTION !

Harmful if swallowed.

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
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.

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.

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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.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Protective equipment and precautions for firefighters

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.

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.

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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

Appearance

Form: Liquid
 Color: Brown
 Odor: 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/cm ³ ISO 2811
Water solubility:	Immiscible
(at 20 °C)	
Viscosity / dynamic:	45 mPa·s ISO 9371
(at 25 °C)	

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

Water

Materials to avoid

Reactions with strong acids and alkalis.

Reactions with strong oxidizing agents.

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Exothermic reaction.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NO_x)

Ammonia

Possibility of Hazardous Reactions

Will not occur

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**US DOT 49 CFR 172.101****Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s.

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

ID Number: 3082

Hazard Class or Division: 9

Packing group: III

Label: 9

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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

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

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

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Description of the goods

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

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

Other applicable information

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**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.

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

Health: 2

Flammability: 1

Physical Hazard: 0

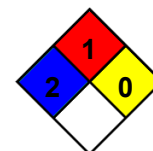
NFPA Hazard Ratings

Health: 2

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)"

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