



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/31/2017

Version: 4

Language: en-US

Date of print: Sep/28/2017

Easy-Mix S 50 Hardener

Material number 106502

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1. Product and company identification

Product identifier

Trade name: Easy-Mix S 50 Hardener

Relevant identified uses of the substance or mixture and uses advised against

General use: Hardener for 2 component adhesive (epoxy resin).
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – USA (24h): Tel: ++1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid
Color: yellow, clear
Odor: characteristic
Classification: Skin Corrosion - Category 1B;
Hazard symbols:



Signal word: **Danger**
Hazard statements: Causes severe skin burns and eye damage.
Precautionary statements: Do not breathe vapors/dust/ aerosols.
Wash hands and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see ' First aid ' on this label).
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.



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Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Hardener for 2 component adhesive (epoxy resin). Formulated polyaminoamide.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 52338-87-1	1,3-bis[3-(dimethylamino)propyl]urea	10 - 30 %	Skin Corrosion - Category 1B.

4. First aid measures

General information:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash contaminated clothing before reuse.
In case of inhalation:	Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wash contaminated clothing before reuse. Consult a doctor if skin irritation persists.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek the attention of an ophthalmologist immediately.
After swallowing:	Do not induce vomiting. Rinse mouth with water. Immediately get medical attention.

Most important symptoms/effects, acute and delayed

Causes severe skin burns and eye damage.
Respiratory complaints, Headache, nausea, vomiting, drowsiness.

Information to physician

Treat symptomatically. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

5. Fire fighting measures

Flash point/flash point range:

> 199.4 °F

Auto-ignition temperature: not determined

Suitable extinguishing media:

Alcohol resistant foam, dry chemical powder, water spray jet, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Hazardous vapors may form during fires. In case of fire may be liberated: carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information:

Cool endangered containers with water jetspray. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.



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6. Accidental release measures

- Personal precautions:** Provide adequate ventilation. Use a breathing protection against vapors/aerosol. Do not breathe vapor or spray.
Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse.
Keep unprotected people away. Avoid contact with skin and eyes.
- Environmental precautions:** Do not allow to enter into ground-water, surface water or drains. Do not allow to enter into soil/subsoil. If necessary notify appropriate authorities.
- Methods for clean-up:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Thoroughly clean surrounding area.

7. Handling and storage

Handling

- Advices on safe handling:** Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol. Do not breathe vapor or spray.
Wear appropriate protective equipment. Avoid contact with skin and eyes.
Take off immediately all contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke. Wash hands before breaks and after work.
- Precautions against fire and explosion:** Take care of general rules for industrial preventive fire protection.

Storage

- Requirements for storerooms and containers:** Keep only in the original container. Protect from heat and direct sunlight. Store in a dry place.
Keep container tightly closed in a cool, well-ventilated place.
- Hints on joint storage:** Keep away from metals, epoxy resin, strong oxidizing agents and acids.
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

- Eye/face protection:** Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection:** Wear suitable protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber - Layer thickness: 0.4 mm
Breakthrough time: > 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection:** Use a breathing protection against vapors/aerosol.
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.



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General hygiene considerations:

Avoid contact with skin and eyes. Eye wash facility must be provided. Do not breathe vapor or spray.
Take off immediately all contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke. Wash hands before breaks and after work.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Color: yellow, clear
Odor:	characteristic
Odor threshold:	not determined
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	> 199.4 °F
Evaporation rate:	No data available
Flammability:	not determined
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	15000 mPa*s
Ignition temperature:	not determined
Additional information:	Relative density: 1.12

10. Stability and reactivity

Reactivity:	Corrosive to most metals.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reacts violently with acids. Reacts with strong oxidizing agents.
Conditions to avoid:	Protect from heat and direct sunlight.
Incompatible materials:	Epoxy resin, acids, copper, copper alloys and strong oxidizing agents.
Hazardous decomposition products:	carbon monoxide and carbon dioxide.
Thermal decomposition:	No decomposition when used properly.



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11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation, eye damage/irritation: Skin Corrosion - Category 1B = Causes severe skin burns and eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

Respiratory complaints, Headache, nausea, vomiting, drowsiness.
May cause sensitisation especially in sensitive humans.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: Product is not readily biodegradable.

Additional ecological information

Volatile organic compounds (VOC):

0 % by weight = 0 g/L

General information:

Do not allow to penetrate into soil, waterbodies or drains. Do not allow uncontrolled discharge of product into the environment.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Uncontaminated packaging may be treated as household waste.

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14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN2735
Proper shipping name: UN 2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(1,3-bis[3-(dimethylamino)propyl]urea)

Hazard class or Division: 8
Packing Group: III
Labels: 8
Symbols: G
Special provisions: IB3, T7, TP1, TP28
Packaging – Exceptions: 154
Packaging – Non-bulk: 203
Packaging – Bulk: 241
Quantity limitations – Passenger aircraft / rail: 5 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: A
Vessel stowage – Other: 52



Sea transport (IMDG)

UN number: UN 2735
Proper shipping name: UN 2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(1,3-bis[3-(dimethylamino)propyl]urea)

Class or division, Subsidiary risk: Class 8, Subrisk-III
Packing Group: III
EmS: F-A, S-B
Special provisions: 223, 274
Limited quantities: 5 L
Excepted quantities: E1
Contaminated packaging - Instructions: P001, LP01
Contaminated packaging - Provisions: -
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T7
Tank instructions - Provisions: TP1, TP28
Stowage and handling: Category A.
Segregation: SG35
Properties and observations: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. React violently with acids. Cause burns to skin, eyes and mucous membranes.

Marine pollutant: no
Segregation group: 18



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Air transport (IATA)

UN/ID number: UN 2735
 Proper shipping name: UN 2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S.
 (1,3-bis[3-(dimethylamino)propyl]urea)
 Class or division, Subsidiary risk: Class 8
 Packing Group: III
 Hazard label: Corrosive
 Excepted Quantity Code: E1
 Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y841 - Max. Net Qty/Pkg. 1 L
 Passenger and Cargo Aircraft: Pack.Instr. 852 - Max. Net Qty/Pkg. 5 L
 Cargo Aircraft only: Pack.Instr. 856 - Max. Net Qty/Pkg. 60 L
 Special provisions: A3 A803
 Emergency Response Guide-Code (ERG): 8L

15. Regulatory information

National regulations - U.S. Federal Regulations

1,3-bis[3-(dimethylamino)propyl]urea: TSCA Inventory: listed
 TSCA HPV: not listed

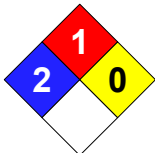
National regulations - Great Britain

Hazchem-Code: 2X

16. Other information

Text for labeling: Contains 10 - 30 % 1,3-bis[3-(dimethylamino)propyl]urea. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:
 Health: 2 (Moderate)
 Fire: 1 (Slight)
 Reactivity: 0 (Minimal)

HMIS Version III Rating:
 Health: 2 (Moderate)
 Flammability: 1 (Slight)
 Physical Hazard: 0 (Minimal)
 Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 2: Labeling

Date of first version: Feb/15/2016

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.