



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 5/Aug/2016
Version: 2
Language: en-CA,US
Date of print: 11/Aug/2016

Epoxy Resin Putty Hardener

Material number 105002

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1. Product and company identification

Product identifier

Trade name: Epoxy Resin Putty Hardener

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

General use: Two-component epoxy resins, Curing agent

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 – Canada (24h): Tel: ++1 866 928 0789 (Toll free)

Transport:

TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)

2. Hazards identification

Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: solid
Form: pasty
Color: blue
Odor: slightly perceptible
Classification: Skin Irritation 2; Eye Irritation 2A; Sensitization - skin 1;
Hazard symbols:



Signal word: **Warning**
Hazard statements: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.



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Precautionary statements: Keep out of reach of children.
Do not breathe vapors/dust/ aerosols.
Wash hands and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see ' First aid ' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing.
Dispose of contents/container to hazardous or special waste collection point.

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 characterisation: Formulated polyamine.

Relevant ingredients:

| CAS No. | Designation | Content | Classification |
|-----------------|---|---------|---|
| CAS 90-72-2 | 2,4,6-tris (Dimethylaminomethyl) phenol | < 3 % | Acute Toxicity 4 (oral). Skin Corrosion 1B. Eye Damage 1. Sensitization - skin 1. Aquatic toxicity - chronic 3. |
| CAS 100-51-6 | Benzyl alcohol | < 10 % | Acute Toxicity 4 (oral). Acute Toxicity 4 (inhalative). Eye Irritation 2A. |

4. First aid measures

General information: First aider: Pay attention to self-protection! Take off contaminated clothing and wash it before reuse.

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical treatment in case of troubles.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Seek medical attention if irritation persists.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Do not induce vomiting. Rinse mouth with water. Let water be swallowed in little sips. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Eye irritation, Skin irritation, mucous membrane irritation, Skin sensitisation, Nausea, vomiting, gastrointestinal complaints, abdominal pain.

Information to physician

Symptoms of poisoning can only emerge after several hours; medical supervision is therefore essential for at least 48 hours.
Treat symptomatically.



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5. Fire fighting measures

Flash point/flash point range:

> 100 °C (DIN 51758)

Auto-ignition temperature: not determined

Suitable extinguishing media:

Water fog, carbon dioxide, foam, extinguishing powder.

Extinguishing media which must not be used for safety reasons:

High power water jet.

Specific hazards arising from the chemical

Hazardous vapors may form during fires.

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Do not inhale explosion and combustion gases.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing.

Wear appropriate protective equipment.

Wear respiratory protection when in the presence of vapor, dust, and aerosols.

Keep away from sources of ignition - No smoking.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up:

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

Dispose of in accordance with the regulations.

7. Handling and storage

Handling

Advices on safe handling:

Avoid the formation of aerosol/vapors.

Avoid contact with skin and eyes.

Provide adequate ventilation, and local exhaust as needed.

Do not breathe fume/gas/mist/vapors/spray.

Wear appropriate protective equipment.

Handle and open container with care.

When using do not eat, drink or smoke.

Precautions against fire and explosion:

Usual measures for fire prevention.

Keep away from sources of ignition - No smoking.

Storage

Requirements for storerooms and containers:

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

Protect from heat and direct sunlight. storage temperature: 5 °C up to 40 °C Handle and open container with care.

Keep only in original packaging.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Keep away from strong acids, strong bases and oxidizers.



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8. Exposure controls / personal protection

Engineering controls

Provide adequate ventilation, and local exhaust as needed.
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: When vapors form, use respiratory protection.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- General hygiene considerations:
Avoid contact with skin and eyes.
Take off immediately all contaminated clothing.
When using do not eat or drink.
Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance: Physical state at 20 °C and 101.3 kPa: solid
Form: pasty
Color: blue
- Odor: slightly perceptible
Odor threshold: not determined
- pH value: not determined
- Melting point/freezing point: not determined
- Initial boiling point and boiling range: > 200 °C
- Flash point/flash point range: > 100 °C (DIN 51758)
- 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: not determined
- Density: No data available
- Water solubility: at 20 °C: practically insoluble
- Partition coefficient: n-octanol/water: not determined
- Auto-ignition temperature: not determined
- Thermal decomposition: >200 °C
- Viscosity, dynamic: not determined
- Viscosity, kinematic: at 40 °C: not determined



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Ignition temperature: not applicable

10. Stability and reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: Keep away from heat sources, sparks and open flames.
Protect against direct sunlight.
Protect from moisture contamination.

Incompatible materials: Strong oxidizing agents, strong acids, strong bases.

Hazardous decomposition products:
In case of fire may be liberated: nitrogen oxides, carbon monoxide and carbon dioxide.
Toxic gases/vapours

Thermal decomposition: >200 °C

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): Based on available data, the classification criteria are not met.
ATEmix (calculated) ≥ 5000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated) ≥ 5 mg/L. (Dusts and mist)

Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.

Information about Benzyl alcohol:
Specific symptoms in animal studies (Rabbit): Not an irritant (OECD 404)

Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.
Information about Benzyl alcohol:
Rabbit: mild irritant (OECD 405).
Human: mild irritant

Information about 2,4,6-tris(Dimethylaminomethyl)phenol:
Specific symptoms in animal studies (Rabbit): corrosive (CPSC guidelines in CFR 16)

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.
Information about 2,4,6-tris(Dimethylaminomethyl)phenol:
Specific symptoms in animal studies (Guinea pig): weakly sensibilising

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.



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Other information: Information about Benzyl alcohol:
LD50, oral, Rat (OECD 420): 1620 mg/kg
LD50, dermal, Rabbit (OECD 402): 2000 mg/kg
LC50, inhalative, Rat (OECD 420): 4,178 mg/L/4h
Information about 2,4,6-tris(Dimethylaminomethyl)phenol:
LD50, Rat, oral (OECD 420): 1670 mg/kg

Symptoms

After eye contact: Causes tears.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Information about Benzyl alcohol:
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 770 mg/L/72h (OECD 201).
EC10/NOEC Pseudokirchneriella subcapitata (green algae): 310 mg/L/72h (OECD 201).
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 230 mg/L/48h (OECD 202).
EC10/NOEC Daphnia magna (Big water flea): 51 mg/L/21d (OECD 211).
Fish toxicity:
LC50 Pimephales promelas (fathead minnow): 460 mg/L/96h.
Information about 2,4,6-tris(Dimethylaminomethyl)phenol:
Fish toxicity:
LC50: 175 mg/L/96h.

Mobility in soil

No data available

Persistence and degradability

Further details: Biodegradability:
Information about Benzyl alcohol:
DOC reduction: 95 - 97% / 21 d (OECD 302 A).
Product is readily biodegradable.
Information about 2,4,6-tris(Dimethylaminomethyl)phenol:
DOC reduction: 4% / 28 d (OECD 301 D).
Product is biodegradable with difficulty.

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.



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14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

2,4,6-tris(Dimethylaminomethyl)phenol: TSCA Inventory: listed
TSCA HPVC: not listed

Benzyl alcohol: TSCA Inventory: listed
TSCA HPVC: not listed

Clean Air Act:

SOCMI Chemical: yes

Other Environmental Laws:

RCRA Groundwater Monitoring: Methods 8270 / PQL 20

National regulations - U.S. State Regulations

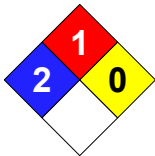
Benzyl alcohol: Massachusetts Haz. Substance codes: 6

Pennsylvania Haz. Substance code: -

16. Other information

Text for labeling: Contains < 3 % 2,4,6-tris(Dimethylaminomethyl)phenol, < 10 % Benzyl alcohol. 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 1: General revision

Date of first version: 25/Aug/2015

Department issuing data sheet

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



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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.