

**Safety data sheet pursuant to ordinance
(EC) No. 453/2010
(EC) No. 1907/2006 (REACH)**

Print date: 02/03/2016

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Revised: 23.07.2015

Cimco-Werkzeugfabrik
Carl Jul. Müller GmbH & Co. KG

1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

1.1 Product identifier

Product name Fast-setting epoxy adhesive curing agent Art. No. **151210**
Trade name Fast-setting epoxy adhesive curing agent Art. No. **151210**
CAS No.
EC No.

1.2 Relevant identified use of material or mixture and uses that are not advisable

Recommended
limitations of the
application

Use of the material/mixture 2-component epoxy resin – curing agent component

1.3 Details on the supplier who is making the safety data sheet available

Company Cimco Werkzeugfabrik Carl Jul. Müller GmbH & Co. KG
Hohenhagener Straße 1 - 5
D-42855 Remscheid, Germany
+49 (0) 21913718-01 Fax: +49 (0) 21913718-86

1.4 Emergency number **Emergency CONTACT (24-Hour-Number)**
GBK GmbH +49 (0)6132-84463

2. POSSIBLE HAZARDS

2.1 Classification of the material

- **Classification in accordance with the directive (EC) No. 1272/2008 [CLP/GHS]**
Skin Corr. 1B H314

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2.2 Label elements

- **Labelling according to directive (EC) No. 1272/2008 [CLP/GHS]**



GHS05

Signal word:

Hazard

Hazard warnings:

H314 Causes serious chemical burns to skin and serious eye damage.

Safety information:

P102 Keep out of reach of children.
P264 Wash hands thoroughly after use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse out mouth. DO NOT induce vomiting.
P303 + P361 + P353 IN THE EVENT OF CONTACT WITH SKIN (or hair): Immediately remove all contaminated clothing. Wash off/shower skin with water.
P304 + P340 IN THE EVENT OF INHALATION: Move the person into fresh air and ensure they can breathe unrestrictedly.
P305 + P351 + P338 IN THE EVENT OF CONTACT WITH THE EYES: Rinse carefully with water for several minutes. Remove any contact lenses being worn if possible. Continue rinsing.
P310 Immediately call the POISON CONTROL CENTRE/doctor.
P405 Keep it locked away.
P501 Dispose of content/container as problem waste.

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2.3 Other dangers

Results of the PBT and vPvB assessment

- **PBT:** The materials in the mixture do not meet the PBT/vPvB criteria according to REACH, Appendix XIII.
- **vPvB:** not applicable

3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
1,3-bis[3-(dimethylamino)propyl]urea	257-861-2	52338-87-1	5<10 Skin Corr. 1B, H314

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

Remove dirty, saturated clothing immediately.

After inhaling

Ensure there is fresh air.
In the event of complaints, seek medical assistance.

After skin contact

In the event of skin contact, wash off with soap and water.
In the event of long-term skin irritation, consult doctor.

After swallowing

Do not induce vomiting.
Immediately consult a doctor.
Rinse out mouth and drink plenty of water afterwards.

After eye contact

In the event of contact with the eyes, rinse for 15 minutes under running water. Transfer to a hospital for examination by a specialist doctor.

4.2 Important symptoms and effects which are acute or occur with a delay

vomiting, breathing difficulties, headache, nausea, dizziness, skin irritation

4.3 Indication of any immediate medical attention and special treatment needed

Subject to medical observation for at least 48 hours afterwards.
Symptoms usually do not occur for several hours.

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5. FIREFIGHTING MEASURES

5.1 Extinguishing agents

Suitable extinguishing agents Alcohol-resistant foam, dry extinguishing agents, carbon dioxide, fine water spray

Unsuitable extinguishing agents Direct water jet

5.2 Particular risks associated with the material or mixture

In the event of a fire, it is possible that hazardous gases may be formed.

5.3 Information on fire fighting

Special protective equipment for firefighting:

In the presence of combustion or carbonization gases, any firefighting, rescue and clearing up activities should be undertaken only with heavy-duty respiratory protection.
Do not inhale gases from explosions and fire.

Further information:

Cool endangered containers with water spray jet.
Collect contaminated quenching water separately; it must not enter the sewage system.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

6.1 Person-related safety precautions, protective equipment and procedures to be followed in emergencies

Ensure sufficient ventilation.
Use personal protective clothing.
Keep ignition sources away.
Use breathing protection if subject to the effects of vapours/dust/aerosol.

6.2 Environmental protection measures

Do not allow to enter sewage system / surface water / ground water.
Do not allow it to penetrate the subsoil/ground.

6.3 Methods and material for containment and cleaning

Soak up with liquid absorbing material (e.g. sand, sawdust).
Dispose of the absorbed material in accordance with the regulations.

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6.4 References to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protective equipment: see section 8

7. HANDLING AND STORAGE

7.1 Safety measures for safe handling

Information on safe handling	Ensure good room ventilation, extraction at the workplace where necessary. Open and handle containers with care!
General protection measures	Avoid contact with the eyes and skin. Do not inhale gases / vapours / aerosols.
Hygiene measures	Do not eat, drink or smoke while working. Remove dirty, saturated clothing immediately. Wash hands before breaks and after finishing work.
Information on fire and explosion protection	Pay attention to the general rules for preventative operational fire protection.

7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements	Only store in its original container.
Information on storage with other products	Do not store with strongly oxidizing agents. Do not store with animal feed. Do not store with food.
Further information on storage conditions	Protect against heat and direct sunlight. Keep container tightly seals and store in a cool, well-ventilated place. Store in a dry place.
Storage class	10
Fire classification	B

7.3 Specific end use

See section 1.2

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8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Limit values

Additional information

National and local legal provisions must be adhered to.

8.2 Limiting and monitoring exposure

Personal protective equipment

General protective and hygiene measures

The usual regulations for handling chemicals needs to be adhered to.

Do not breathe in dust/smoke/mist. Keep away from food, drink and animal feed. Do not smoke, eat or drink while working. Avoid contact with the eyes and skin. Wash hands before a break and after finishing work.

Respiratory protection

If ventilation is inadequate, wear breathing apparatus.

Hand protection

It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

The type of chemical protection gloves is to be selected according to the concentration and quantity of hazardous materials at the specific workplace.

Eye protection

Tight fitting safety glasses

Personal protection

Protective workwear

Limiting and monitoring environmental exposure

Sufficient ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Form	liquid
Colour	yellow, clear
Odour	characteristic
Steam pressure	- na -
Relative density	1.12 g/cm ³

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Melting point / Freezing point	- na -
Explosive properties	- na -
Self-ignition temperature	- na -
Ignition point	> 93 °C
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility with	- na -
Ignition temperature	- na -
Solvent content	- na -
Solids content	- na -

9.2 Other information

No information is available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information is available.

10.2 Chemical stability

No information is available.

10.3 Possible hazardous reactions

Reaction with strong oxidizing agents.

10.4 Conditions to be avoided

Avoid exposure to heat.

10.5 Incompatible materials

Reactions with strong oxidizing agents.

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10.6 Dangerous decomposition processes

Carbon monoxide and carbon dioxide
toxic gases/vapours

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

	Value/Evaluation	Species	Method	Note
Skin irritation	not irritating			
Eye irritation	not irritating			

Practical experience

Sensitisation has only been observed in people who are predisposed to this.

General comments

The product is to be handled with the care usual when handling chemicals.
Other hazardous characteristics can not be ruled out.

12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

No information is available.

12.2 Persistence and degradability

	Degree of elimination	Method of analysis	Method	Note
Biological degradability				Not easily biodegradable

12.3 Bio accumulation potential

No information is available.

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12.4 Mobility in the soil

No information is available.

12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

12.6. Other harmful effects

Do not allow uncontrolled release of the product into the environment.
The product must not enter water systems.

13. INFORMATION ON DISPOSAL

Recommendation Disposal according to the local official regulations.

Product Hardened material is inert and can be disposed of as building waste.
Dispose of in accordance with local authority regulations.

Waste code 07 01 04* other organic solvents, washing agents and mother liquor.

20 01 99 other fractions not otherwise specified.

Waste marked with an asterisk (*) are classed as hazardous waste according to Directive 2008/98/EC on hazardous waste.

Unclean packaging Dispose of in accordance with local authority regulations.
Packaging which is not contaminated can be treated as household waste.
Packaging materials which cannot be cleaned are to be disposed of in the same way as the substance itself.

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14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
14.1 UN number	-	-	-
14.2 Proper UN shipping name	-	-	-
14.3 Transport hazard class	-	-	-
14.4 Packaging group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special preventive measures for the user

No information is available.

14.7 Bulk transport according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code

Not applicable

Further information on transport

Not hazardous goods within the meaning of transport regulations

15. STATUTORY REGULATIONS

15.1 Regulations on safety, health and environmental protection / specific legal regulations for the material or the mixture

VOC guideline

Note

Daten separat anfragen / Request data separately.

National regulations:

Information on employment restrictions

The national laws regarding employment restrictions are to be observed.

Water hazard class 2 VwVwS Appendix 4
Water-polluting

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Incident ordinance: Incident ordinance, Appendix I: not mentioned.

15.2 Chemical safety assessment

A chemical safety assessment for materials in this mixture have not been carried out.

16. OTHER INFORMATION

Recommended use and restrictions

Existing national and local laws regarding chemicals are to be observed.
Nur für den gewerblichen Gebrauch. / For industrial use only.

Further information

The information given is based on our current level of knowledge and serves to describe the product in terms of the safety precautions to be taken. It does not represent an assurance of properties of the product described.

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