

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

Print date: 02/03/2016

Page 1

Revised:24.07.2015

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 metal adhesive Art. No. **151215**
Trade name Fast-setting metal adhesive Art. No. **151215**
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 – resin 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 Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
Aquatic Chronic 2 H411

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

Print date: 02/03/2016

Page 2

Revised:24.07.2015

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

2.2 Label elements

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



GHS07



GHS09

Signal word:

Notice

Hazard warnings:

H315	Causes skin irritation.
H317	Can cause allergic skin reactions.
H319	Causes serious eye irritation.
H411	Toxic for water organisms, with long-term effects.

Safety information:

P102	Keep out of reach of children.
P261	Avoid breathing in dust/smoke/gas/mist/vapour/aerosol.
P264	Wash hands thoroughly after use.
P272	Do not wear contaminated work clothes outside of workplace.
P273	Avoid releasing into the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IN THE EVENT OF SKIN CONTACT: Wash with plenty of water/soap.
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.
P332 + P313	In the event of skin irritation: Consult a doctor/seek medical attention.
P333 + P313	In the event of skin irritation or rash: Consult a doctor/seek medical attention.
P337 + P313	In the event of sustained eye irritation: Consult a doctor/seek medical attention.
P362	Remove contaminated clothing.
P363	Wash contaminated clothing before wearing it again.
P391	Collect any quantity spilled.
P501	Dispose of content/container as problem waste.

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

Print date: 02/03/2016

Page 3

Revised:24.07.2015

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

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]
Benzyl alcohol	202-859-9	100-51-6	1 - 5 Acute Tox. 4, H332 Acute Tox. 4, H302
Reaction product: bisphenol A epichlorhydrin resins with average molecular weight <=700	500-033-5	25068-38-6	30 - 50 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
1.4-(2.3-epoxypropoxy)butane	219-371-7	2425-79-8	1 - 5 Acute Tox. 4, H332 Acute Tox. 4, H312 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317
Reaction product of phenol formaldehyde novolac and epichlorhydrin	polymer	28064-14-4	1 - 5 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

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

Print date: 02/03/2016

Page 4

Revised:24.07.2015

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information	Take off dirty, saturated clothing immediately and remove safely.
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 seek medical assistance. 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

Coughing, vomiting, headache, allergic reaction, nausea, skin irritation
Risk of serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

No information is available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing agents

Suitable extinguishing agents	Alcohol-resistant foam, dry extinguishing agent, carbon dioxide, jet of water
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.
Carbon monoxide (CO)
Carbon dioxide (CO₂)

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

Print date: 02/03/2016

Page 5

Revised:24.07.2015

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

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.

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.

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, universal binder).

Dispose of the absorbed material in accordance with the regulations.

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

Avoid the formation of aerosol.

Ensure good room ventilation, extraction at the workplace where necessary.

General protection measures

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

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

Print date: 02/03/2016

Page 6

Revised:24.07.2015

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

Hygiene measures	Do not eat, drink or smoke while working. Remove dirty, saturated clothing immediately. Wash hands before breaks and after finishing work.
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Information on fire and explosion protection	Pay attention to the general rules for preventative operational fire protection.
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7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements	Keep sealed in original packaging.
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Information on storage with other products	Do not store with acids or bases. Do not store with animal feed. Do not store with food. Do not store with oxidizing agents.
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Further information on storage conditions	Protect against direct sunlight. Keep container in a cool, well-ventilated place. The storage temperature should be between 10 and 30 °C. Protect from heat / overheating.
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Storage class

7.3 Specific end use

See section 1.2

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.
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Respiratory protection	Breathing apparatus in the event that aerosol or mist are formed.
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**Safety data sheet pursuant to ordinance
(EC) No. 453/2010
(EC) No. 1907/2006 (REACH)**

Print date: 02/03/2016

Page 7

Revised: 24.07.2015

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

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	pasty
Colour	black
Odour	characteristic
Steam pressure	- na -
Relative density	approx. 1.9
Boiling point	> 100°C
Melting point / Freezing point	- na -
Explosive properties	- na -
Self-ignition temperature	- na -
Ignition point	none
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility with	- na -
Ignition temperature	- na -

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

Print date: 02/03/2016

Page 8

Revised:24.07.2015

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

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

Reactions with acids, alkalis and oxidising agents.
Reactions with oxidizing agents.
Polymerisation accompanied by development of heat.
Reactions with amines.

10.4 Conditions to be avoided

Avoid exposure to heat.
Polymerisation accompanied by development of heat.

10.5 Incompatible materials

Alkalis
Amines
Acids, concentrated
Oxidizing agent

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

Print date: 02/03/2016

Page 9

Revised: 24.07.2015

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

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	irritant			
Eye irritation	irritant			
Sensitisation skin	sensitising			

Practical experience

Sensitisation may be caused by skin contact.
Risk of serious eye damage.
Irritates the eyes and skin.

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	Evaluation
Biological degradability				Not biodegradable

12.3 Bio accumulation potential

No information is available.

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

Print date: 02/03/2016

Page 10

Revised:24.07.2015

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

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

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Do not allow uncontrolled release of the product into the environment.
The product must not enter the ground water or surface water.
The product must not enter any bodies of water or the sewage system or water treatment plants respectively.

13. INFORMATION ON DISPOSAL

Recommendation Disposal according to the local official regulations.

Product Dispose of in accordance with local authority regulations.

Waste code 08 04 12 Sludges containing adhesive and sealant, with the exception of those which fall under 08 04 11.
15 01 02 packaging made of plastic.

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

Unclean packaging Disposal according to official regulations.

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

Print date: 02/03/2016

Page 11

Revised: 24.07.2015

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

14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
14.1 UN number	3082	3082	3082
14.2 Proper UN shipping name	UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Reaktionsprodukt: Bisphenol-A-Epichlorhydrinharze mit durchschnittlichem Molekulargewicht <= 700)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700))	Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700))
14.3 Transport hazard class	9	9	9
14.4 Packaging group	III	III	III
14.5 Environmental hazards	Yes	no	Yes

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

Transport by land ADR/RID

Danger label 9
Tunnel restriction code E
Classification code M6

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

Print date: 02/03/2016

Page 12

Revised:24.07.2015

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

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.

Other regulations, limitations and prohibition ordinances

TRGS 540 "Sensitising materials" must be observed

Water hazard class 2 VwVwS Appendix 4
Water-polluting

Incident ordinance: Incident ordinance, Appendix I, Part 1: No. 9b.

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.

H302	Hazardous to health if swallowed.
H312	Hazardous to health upon skin contact.
H315	Causes skin irritation.
H317	Can cause allergic skin reactions.
H319	Causes serious eye irritation.
H332	Hazardous to health if inhaled.
H411	Toxic for water organisms, with long-term effects.