



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: TOOLCRAFT Epoxy transparent 5 Min. Komponente A

This safety data sheet pertains to the following products:

1347647: TOOLCRAFT EPOXY TRANSPARENT 5 2X50G Komponente A

1347649: TOOLCRAFT EPOXY TRANSPARENT 5 2X100G Komponente A

886519: EPOXYD-KLEBER 5 MIN. 25 ML Komponente A

890578: EPOXYD-KLEBER 5 MIN. 50 G Komponente A

UFI: TN10-S0VM-1004-D2NY

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

General use: Resin for 2 component adhesive

1.3 Details of the supplier of the safety data sheet

Company name: Conrad Electronic SE

Street/POB-No.: Klaus-Conrad-Str.1

Postal Code, city: 92240 Hirschau

Germany

WWW: www.conrad.de

E-mail: quality-control@conrad.de

Telephone: +49 (0)9604/40 8988

Telefax: +49 (0)9604/40 8936

Department responsible for information:

Telephone: +49 (0) 9604/40-8988, E-mail: quality-control@conrad.de

1.4 Emergency telephone number

Telephone: +49(0) 89-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.

Eye Irrit. 2; H319 Causes serious eye irritation.

Skin Sens. 1; H317 May cause an allergic skin reaction.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 2 of 11

Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic life with long lasting effects.
Precautionary statements:	P102	Keep out of reach of children.
	P261	Avoid breathing mist/vapours/spray.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P391	Collect spillage.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

	EUH205	Contains epoxy constituents. May produce an allergic reaction.
Text for labelling:		Contains bis-[4-(2,3-Epoxypropoxi)phenyl]propane.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substance mentioned below with non-hazardous additions:

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119456619-26-xxxx	Bis-[4-(2,3-Epoxypropoxi)phenyl]propane	80 - 99 %
EC No. 216-823-5	Skin Irrit. 2; H315. Eye Irrit. 2; H319.	
CAS 1675-54-3	Skin Sens. 1; H317. Aquatic Chronic 2; H411.	

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
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. Subsequently consult an ophthalmologist.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 3 of 11

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes serious eye irritation. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, foam, extinguishing powder, Carbon dioxide, Sand.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid contact with the substance. If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

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

Inform the relevant authorities in case of leakage into sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 4 of 11

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat.

When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container dry, tightly closed and store at cool and aired place. Protect from frost, heat and sunlight.
storage temperature: 10 - 20 °C

Hints on joint storage:

Do not store together with strong oxidizing agents or strong reducing agents.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL:

Information about bis-[4-(2,3-Epoxypropoxi)phenyl]propane:

DNEL Acute, workers, systemic, dermal: 8.3 mg/kg bw/d

DNEL Acute, workers, systemic, inhalative: 12.3 mg/m³

DNEL Long-term, workers, systemic, dermal: 8.3 mg/kg bw/d

DNEL Long-term, workers, systemic, inhalative: 12.3 mg/m³

DNEL Acute, consumers, systemic, oral: 0.75 mg/kg bw/d

DNEL Acute, consumers, systemic, dermal: 3.6 mg/kg bw/d

DNEL Acute, consumers, systemic, inhalative: 0.75 mg/m³

DNEL Long-term, consumers, systemic, oral: 0.75 mg/kg bw/d

DNEL Long-term, consumers, systemic, dermal: 3.6 mg/kg bw/d

DNEL Long-term, consumers, systemic, inhalative: 0.75 mg/m³

PNEC:

Information about bis-[4-(2,3-Epoxypropoxi)phenyl]propane:

PNEC water (freshwater): 3 µg/L

PNEC water (marine water): 0.3 µg/L

PNEC sediment (freshwater): 0.5 mg/kg dwt

PNEC sediment (marine water): 0.5 mg/kg dwt

PNEC soil: 0.05 mg/kg dwt

PNEC sewage treatment plant: 10 mg/L

PNEC water (freshwater) intermittent release: 0.013 mg/L

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 5 of 11

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection in case of aerosol or vapour formation.
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.

Hand protection: Protective gloves according to I.S. EN ISO 374:1.
Glove material: PVC - Layer thickness: ≥ 0.5 mm
Breakthrough time: 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to I.S. EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.
Chemical resistant safety shoes

General protection and hygiene measures:
Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	Form: Viscous yellow
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 200 °C
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	> 150 °C (DIN 51758)
Auto-ignition temperature:	> 150 °C (PMCC ASTM D93)
Decomposition temperature:	No data available
pH:	6
Viscosity, dynamic:	at 25 °C: 12 - 14 mPa*s
Solubility:	soluble in: Organic solvents
Water solubility:	approx. 9 g/L
Partition coefficient: n-octanol/water:	$\geq 3 \log P(o/w)$ Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: ≤ 0.01 Pa
Density:	at 25 °C: 1.16 g/L
Vapour density:	No data available
Particle characteristics:	Not applicable



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 6 of 11

9.2 Other information

Explosive properties: No data available
Oxidizing characteristics: No data available
Auto-ignition temperature: No data available
Evaporation rate: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Protect from: UV-radiation/sunlight
Protect from frost. Protect from moisture contamination.

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents

10.6 Hazardous decomposition products

No decomposition when used properly.
Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: LD50 Rat, oral: > 2,000 mg/kg
LD50 Rabbit, dermal: > 2,000 mg/kg



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 7 of 11

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. May be harmful if swallowed.

ATEmix (calculated): ATE > 2000 mg/kg.

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

ATEmix (calculated): ATE > 2000 mg/kg.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met. May be harmful if inhaled.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

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.

11.2 Information on other hazards

Endocrine disrupting properties:
None

Symptoms

In case of inhalation: Vapours irritate mucous membranes and respiratory tracts.
After contact with skin: Skin rash, itching, redness
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Information about bis-[4-(2,3-Epoxypropoxy)phenyl]propane:

Fish toxicity: LC50: 1.3 mg/L/96h

Daphnia toxicity: EC50: 2.1 mg/L/48h

Daphnia toxicity: NOEC: 0.3 mg/L/21d

Algae toxicity: LC50: > 11 mg/L/72h

12.2 Persistence and degradability

Further details: Product is not readily biodegradable.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):
Possible bioaccumulation.

12.4 Mobility in soil

No data available



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 8 of 11

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

Section 14. Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:
UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Bis-[4-(2,3-Epoxypropoxy)phenyl]propane)

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6
IMDG: Class 9, Subrisk -
IATA-DGR: Class 9

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:
III

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: yes





SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025

Version: 5.2

Replaces version: 5.1

Language: en-IE

Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page:

9 of 11

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label:	9
Special Provisions:	274 335 375 601 650
Limited quantities:	5 L
EQ:	E1
Package - Instructions:	P001 IBC03 LP01 R001
Package - Special Provisions:	PP1
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T4
Portable tanks - Special Provisions:	TP1 TP29
Tank coding:	LGBV
Tunnel restriction code:	-

Sea transport (IMDG)

EmS:	F-A, S-F
Special Provisions:	274 335 375 969
Limited quantities:	5 L
Excepted quantities:	E1
Package - Instructions:	P001, LP01
Package - Provisions:	PP1
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP1, TP29
Stowage and handling:	Category A.
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Miscellaneous & Environmentally hazardous
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions:	A97 A158 A197 A215
Emergency Response Guide-Code (ERG):	9L

14.7 Maritime transport in bulk according to IMO instruments

No data available



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 10 of 11

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

EUH205

Contains epoxy constituents. May produce an allergic reaction.

Precautionary statements:

P102

Keep out of reach of children.

P261

Avoid breathing mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection.

P501

Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg

Use restriction according to REACH annex XVII, no.: 3, 75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H411 = Toxic to aquatic life with long lasting effects.

EUH205 = Contains epoxy constituents. May produce an allergic reaction.

EUH210 = Safety data sheet available on request.

EUH211 = Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Reason of change:

Changes in section 14: ADR 2025

Changes in section 14: IMDG 2025

Date of first version:

26/5/2021

Department issuing data sheet:

see section 1: Department responsible for information



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 13/1/2025
Version: 5.2
Replaces version: 5.1
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente A

Material number Epoxy Transparent 5 Komponente A

Page: 11 of 11

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
PVC: Polyvinyl chloride
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.: Skin irritation
Skin Sens.: Skin sensitisation
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
UV: Ultraviolet
vPvB: Very persistent and very bioaccumulative

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.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: TOOLCRAFT Epoxy transparent 5 Min. Komponente B

This safety data sheet pertains to the following products:

1347647: TOOLCRAFT EPOXY TRANSPARENT 5 2X50G Komponente B

1347649: TOOLCRAFT EPOXY TRANSPARENT 5 2X100G Komponente B

886519: EPOXYD-KLEBER 5 MIN. 25 ML Komponente B

890578: EPOXYD-KLEBER 5 MIN. 50 G Komponente B

UFI: JR10-90K0-A00M-2E81

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

General use: Hardener for 2 component adhesive

1.3 Details of the supplier of the safety data sheet

Company name: Conrad Electronic SE

Street/POB-No.: Klaus-Conrad-Str.1

Postal Code, city: 92240 Hirschau

Germany

WWW: www.conrad.de

E-mail: quality-control@conrad.de

Telephone: +49 (0)9604/40 8988

Telefax: +49 (0)9604/40 8936

Department responsible for information:

Telephone: +49 (0) 9604/40-8988, E-mail: quality-control@conrad.de

1.4 Emergency telephone number

Telephone: +49(0) 89-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Corr. 1B; H314 Causes severe skin burns and eye damage.

Eye Dam. 1; H318 Causes serious eye damage.

Skin Sens. 1; H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements:

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 2 of 10

Precautionary statements: P102	Keep out of reach of children.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains 1,3-bis[3-(dimethylamino)propyl]urea,
3-Aminomethyl-3,5,5-trimethylcyclohexylamine

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions:

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 257-861-2 CAS 52338-87-1	1,3-bis[3-(dimethylamino)propyl]urea Skin Corr. 1C; H314.	< 10 %
REACH 01-2119514687-32-xxxx EC No. 220-666-8 CAS 2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine Acute Tox. 4; H302. Acute Tox. 4; H312. Skin Corr. 1B; H314. Eye Dam. 1; H318. Skin Sens. 1; H317. Aquatic Chronic 3; H412. Acute toxicity estimate (ATE): Oral: 1030 mg/kg bw. Specific concentration limits (SCL): Skin Sens. 1A; H317: C ≥ 0.001 %	< 10 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand.
Take off immediately all contaminated clothing and wash it before reuse.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 3 of 10

In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. Immediately get medical attention.
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:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid contact with the substance. If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Take off immediately all contaminated clothing and wash it before reuse.

6.2 Environmental precautions

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

Inform the relevant authorities in case of leakage into sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 4 of 10

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. When handling large quantities, supply emergency spray. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion: Keep away from heat. When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container dry, tightly closed and store at cool and aired place. Protect from frost, heat and sunlight. storage temperature: 10 - 20 °C. Store containers in upright position.

Hints on joint storage: Keep away from strong acids and bases as well as oxidizing agents. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL: Information about 3-Aminomethyl-3,5,5-trimethylcyclohexylamine:
DNEL workers, inhalative, local, long-term: 0.073 mg/m³
DNEL consumers, oral, systemic, long-term: 0.526 mg/kg bw/d

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection in case of aerosol or vapour formation. 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.

Hand protection: Protective gloves according to I.S. EN ISO 374:1. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to I.S. EN ISO 16321-1:2022.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 5 of 10

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. When handling large quantities, supply emergency spray. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	yellow
Odour:	slight smell
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	No data available
Decomposition temperature:	No data available
pH:	9.5
Viscosity, kinematic:	No data available
Water solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	at 25 °C: 1,130 - 1,170 g/L
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 6 of 10

10.3 Possibility of hazardous reactions

Keep away from strong acids and bases as well as oxidizing agents.

10.4 Conditions to avoid

Protect from: UV-radiation/sunlight
Protect from frost. Protect from moisture contamination.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, strong alkalis.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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): > 2,000 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.

Skin corrosion/irritation: Skin Corr. 1B; H314 = Causes severe skin burns and eye damage.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

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.

11.2 Information on other hazards

Endocrine disrupting properties:

None

Other information:

No data available



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 7 of 10

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about 1,3-bis[3-(dimethylamino)propyl]urea:
Fish toxicity: LC50: 910 mg/L/96h
Daphnia toxicity: Daphnia magna (Big water flea) EC50: 58 mg/L/48h
Algae toxicity: LC50: 0.19 mg/L

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

Section 14. Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:
UN 2735



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 8 of 10

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S.
(1,3-bis[3-(dimethylamino)propyl]urea,
3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

14.3 Transport hazard class(es)

ADR/RID: Class 8, Code: C7
IMDG: Class 8, Subrisk -
IATA-DGR: Class 8



14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

II

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally
hazardous according to the criteria of the UN
model regulations.

Marine pollutant:

no

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	ADR/RID: Kemmler-number 80, UN number UN 2735
Hazard label:	8
Special Provisions:	274
Limited quantities:	1 L
EQ:	E2
Package - Instructions:	P001 IBC02
Special provisions for packing together:	MP15
Portable tanks - Instructions:	T11
Portable tanks - Special Provisions:	TP1 TP27
Tank coding:	L4BN
Tunnel restriction code:	E

Sea transport (IMDG)

EmS:	F-A, S-B
Special Provisions:	274
Limited quantities:	1 L
Excepted quantities:	E2
Package - Instructions:	P001
Package - Provisions:	-
IBC - Instructions:	IBC02
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T11
Tank instructions - Provisions:	TP1, TP27
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.
Segregation group:	18



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT

TOOLCRAFT Epoxy transparent 5 Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 9 of 10

Air transport (IATA)

Hazard label:	Corrosive
Excepted Quantity Code:	E2
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y840 - Max. Net Qty/Pkg. 0.5 L
Passenger and Cargo Aircraft:	Pack.Instr. 851 - Max. Net Qty/Pkg. 1 L
Cargo Aircraft only:	Pack.Instr. 855 - Max. Net Qty/Pkg. 30 L
Special Provisions:	A3 A803
Emergency Response Guide-Code (ERG):	8L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.
H312 = Harmful in contact with skin.
H314 = Causes severe skin burns and eye damage.
H317 = May cause an allergic skin reaction.
H318 = Causes serious eye damage.
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: Changes in section 14: IATA-DGR 2020

Date of first version: 24/8/2020

Department issuing data sheet:

see section 1: Department responsible for information



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Revision date: 23/5/2024
Version: 4.1
Replaces version: 4.0
Language: en-IE
Date of print: 5/3/2025

TOOLCRAFT Min. Komponente B

Material number Epoxy Transparent 5 Komponente B

Page: 10 of 10

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Bw: Body weight
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Sens.: Skin sensitisation
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
UV: Ultraviolet
vPvB: Very persistent and very bioaccumulative

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.