Safety data sheet
according to UK REACH

Printing date 27.07.2026 *Version number 4.8 (replaces version 4.7)* *Revision: 27.07.2026*

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

1.1 Product identifier

Trade name: 2-K-Epoxykleber (Härter)

Article number: 18011
1.2 Relevant identified uses of the substance or mixture and uses advised against
Sector of Use SU21 Consumer uses: Private households / general public / consumers
Application of the substance / the mixture Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Stanger Produktions- und Vertriebs GmbH
Ferdinand-Porsche-Straße 2
D-32339 Espelkamp
Telefon: +49 5743-9307-0

Further information obtainable from:
Product Safety Department
info@stanger.de

1.4 Emergency telephone number:
+49-5743-9307-0
(Monday to Friday, 7:00 a.m. - 5:00 p.m.)

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
GHS label elements
The product is classified and labelled according to the GB CLP regulation.
Hazard pictograms



GHS07

Signal word Warning
Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves / 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.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

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Labelling of packages where the contents do not exceed 125 ml
Hazard pictograms



GHS07

Signal word *Warning*
Hazard statements *Void*
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves / eye protection.
2.3 Other hazards
Results of PBT and vPvB assessment *Not applicable*
PBT: *Not applicable*
vPvB: *Not applicable*

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SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: *Mixture of substances listed below with nonhazardous additions.*

Dangerous components:		
	Fatty acids, C18-unsatd., dimers, polymeric reaction products with tall-oil fatty acids, 4,4'-isopropylidenediphenol-1-chloro-,3-epoxypropane co-oligomer and triethylenetetramine *Skin Irrit. 2, H315; Eye Irrit. 2, H319*	≥25-≤75%
CAS: 90-72-2 *EINECS: 202-013-9*	*2,4,6-tris(dimethylaminomethyl)phenol* *Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319* *ATE: LD50 oral: 500 mg/kg*	≥0-<5%
CAS: 64-17-5 *EINECS: 200-578-6* *Reg.nr.: 01-2119457610-43*	*ethanol* *Flam. Liq. 2, H225*	≥0-<5%
CAS: 8000-41-7 *NLP: 500-191-5*	*Terpineol* *Skin Irrit. 2, H315; Eye Irrit. 2, H319*	≥0-<5%
CAS: 67-63-0 *EINECS: 200-661-7* *Reg.nr.: 01-2119457558-25*	*propan-2-ol* *Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336*	≥0-<3%
CAS: 100-51-6 *EINECS: 202-859-9*	*benzyl alcohol* *Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332*	≥0-<3%

Additional information: *For the wording of the listed hazard phrases refer to section 16.*

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SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation: *In case of unconsciousness place patient stably in side position for transportation.*
After skin contact: *Immediately wash with water and soap and rinse thoroughly.*
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: *Call for a doctor immediately, present msds*
4.2 Most important symptoms and effects, both acute and delayed *No further relevant information available.*

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4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No special measures required.
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Protect from frost and heat. Optimal storage temperature 10 - 25 °C
Information about storage in one common storage facility: Not required
Further information about storage conditions: Keep container tightly sealed.
Storage class: 12
7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
64-17-5 ethanol	
WEL	Long-term value: 1920 mg/m³, 1000 ppm
67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing

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Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Respiratory protection: *Not required*
Hand protection
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:
Butyl rubber, BR
Nitrile rubber, NBR
For the permanent contact gloves made of the following materials are suitable: *Butyl rubber, BR*
For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
Nitrile rubber, NBR
Chloroprene rubber, CR
Eye/face protection *Tightly sealed goggles*

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Physical state	*Liquid*
Colour:	*Yellowish*
Odour:	*Characteristic*
Boiling point or initial boiling point and boiling range	*Undetermined*
Lower and upper explosion limit	
Lower:	*Not determined*
Upper:	*Not determined*
Flash point:	*Not applicable*
pH	*Mixture is non-polar/aprotic.*
Viscosity:	
Dynamic at 20 °C:	*17,000 mPas*
Solubility	
water:	*Not miscible or difficult to mix.*
Density and/or relative density	
Density at 20 °C:	*1.05 g/cm³*
9.2 Other information	*No further relevant information available.*
Appearance:	
Form:	*Fluid*
Important information on protection of health and environment, and on safety.	
Explosive properties:	*Product does not present an explosion hazard.*

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Solvent separation test:	
Organic solvents:	≥5.5-<8.5 %
VOC (EC)	≥57.7-<89.2 g/l
	≥5.5-<8.5 %

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	>9,968-≤21,189 mg/kg
Dermal	LD50	>80,000-≤133,333 mg/kg (rabbit)

90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
Oral	LD50	500 mg/kg (ATE)
64-17-5 ethanol		
Oral	LD50	7,060 mg/kg (rat)
	berechnet	8,300 mg/kg (mouse)
		7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)
67-63-0 propan-2-ol		
Oral	LD50	4,570 mg/kg (rat)

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Dermal	LD50	13,400 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
100-51-6 benzyl alcohol		
Oral	LD50	1,230 mg/kg (rat)
	berechnet	1,580 mg/kg (mouse)
		1,620 mg/kg (not defined)
		1,230 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	4,178 mg/l (rat)

Primary irritant effect:
Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment Not applicable
12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number	
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void

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14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA **Class**	Void
14.4 Packing group **ADR, IMDG, IATA**	Void
14.5 Environmental hazards: **Marine pollutant:**	No
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Regulated explosives precursors
None of the ingredients is listed.

Regulated poisons
None of the ingredients is listed.

Reportable explosives precursors
None of the ingredients is listed.

Reportable poisons
None of the ingredients is listed.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.

Department issuing SDS: Product Safety Department
Contact: Stanger Produktion und Vertrieb GmbH
Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
**** Data compared to the previous version altered.***