

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

USIG-glue

CAS number: -
EC number (EINECS/ELINCS): -
EC index number: -
REACH registration number: -

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

Identified uses of the substance or mixture: USIG-glue
Not recommended uses of the substance or mixture: Other

1.3 Details of the supplier of the safety data sheet

Manufacturer

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Supplier

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

Information fax:

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

National contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

Information fax:

E-mail (competent person): info@erkodent.com

Website:

1.4 Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008:
Skin Sens. 1; H317

Directive 67/548/EEC: -

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: GHS07
Warning

H phrases: 317 May cause an allergic skin reaction.

P phrases: 261 Avoid breathing dust/fume/gas/mist/vapours/spray.
280 Wear protective gloves/protective clothing/eye protection/face protection.
321 Specific treatment (see .? on this label).
333+313 If skin irritation or rash occurs: Get medical advice/attention.
363 Wash contaminated clothing before reuse.
501 Dispose of contents/container to .?.

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases: -
S phrases: -

2.3 Other hazards

Markage of packings at a contents of not more than 125 ml.

3. Composition/information on ingredients

3.1 Chemical characterization of the substance or mixture

Usig-glue, Dental fixing material

3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
1,4-Butandiol dimethacrylat		2082-81-7			2,5-10%	Skin Sens. 1; H317	

Dibenzoylperoxid	202-327-6	94-36-0	617-008-00-0		<2,5%	Expl. Div 1.1; H201 Org. Perox. CD; H242 Eye Irrit. 2; H319 Skin Sens. 1; H317	E; R3 O; R7 Xi; R36 -; R43
Dicyclohexylphtalate		84-61-7			<2,5%	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	Xi; R36/37/38

Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
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(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

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

4. First aid measures

4.1 Description of first aid measures

- General information:** No special measures are necessary.
- Following inhalation:** Provide fresh air. Seek medical attention if problems persist.
- After skin contact:** After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.
- Following eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting. Immediately get medical attention.
- Self-protection:** First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms:** In all cases of doubt, or when symptoms persist, seek medical advice.
- Nature of Hazard:** No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Emergency aid:** No information available.
- Treatment:** No information available.

5. Fire fighting measures

5.1 General information

Extinguishing materials should be selected according to the surrounding area.

5.2 Extinguishing media

- Suitable:** Carbon dioxide (CO₂). Extinguishing powder. Water fog. Alcohol resistant foam.
- Unsuitable:** High power water jet.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advice for fire fighters

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes. Avoid contact with skin.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the assimilated material according to the section on waste disposal.

6.4 References to other sections

See protective measures under point 7 and 8.

7. Handling and storage**7.1 Precautions for safe handling****Information for safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations.

Technical measures

Always close containers tightly after the removal of product. Keep container tightly closed in a cool, well-ventilated place.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

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

Packaging materials

Keep/Store only in original container.

Requirements for storerooms and containers

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Information about storing together in storage facility

Keep away from food, drink and animal feedingstuffs.

Further information concerning storage conditions

Always close containers tightly after the removal of product.

Storage class:**7.3 Specific end use(s)**

Observe instructions for use.

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
1,4-Butandiol dimethacrylat	2082-81-7	MAK			vgl. Abschn.IV

EC exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

8.1.2 DNEL and PNEC values

DNEL-values

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

PNEC-values

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

8.1.3 Control-Banding

Control-Banding

none

8.1.4 Additional information

none

8.2 Exposure controls

Occupational exposure controls

Technical ventilation of workplace In case of insufficient ventilation, wear suitable respiratory equipment.

Chemical handling

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Suitable gloves type: NBR (Nitrile rubber). PVC (Polyvinyl chloride). CR (polychloroprene, chloroprene rubber).

Eye protection

Eye protection: not required.

Skin protection

Protective clothing Minimum standard for preventive measures while handling with working materials are

specified in the TRGS 500.

Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not empty into drains or the aquatic environment.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

8.3 Exposure scenario

none

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

State of matter: Paste viscous
 Colour: Different
 Odour: characteristic
 Odour threshold: not determined

Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:				not determined
Package density:				not determined
pH:				not determined
Melting point / range:		<-20	°C	
Boiling temperature / range:		151	°C	
Flash point:		201	°C	
Flammability:				not applicable
Lower flammability limit:		>370	°C	not applicable
Upper flammability limit:				not applicable
Explosion hazard:				not explosive.
Lower explosion limit:				not determined
Upper explosion limit:				not determined
Ignition temperature:			°C	none Risk of selfignition.
Decomposition temperature:				not determined
Oxidizing characteristics:				not applicable
Vapour pressure:	at °C:	1,3	mbar	
Relative vapour density:				not determined
Speed of vaporization/evaporation rate:				not determined
Solubility in water:				not miscible slightly soluble
Fat solubility:				not determined
Solubility in log P O/W (n-octanol / water):	:			not determined
Viscosity:				not determined
Solvent separation test:				not determined
Solvent content:		0,0	%	

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

none No ignition, explosion, self-heating or visible decomposition. Thermal decomposition

10.3 Possibility of hazardous reactions

none Hazardous decomposition products

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Reducing agents. Heavy metals. Etchant and acids Alkalis (alkalis).

10.6 Hazardous decomposition products

Hazardous decomposition products: none

10.7 Additional information

none

11. Toxicological information

11.1 Information on toxicological effects

Data apply to the principal component.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
1,4-Butandiol dimethacrylat	2082-81-7	LD-50 oral > 5000 mg/kg (rat)

Specific symptoms in laboratory animals

Toxicological data are not available.

11.2 Irritation and etching

Irritant effect on the skin

Not an irritant.

Irritant effect on the eye

Not an irritant.

Irritant effect on the respiratory tract

Not an irritant.

Etching

not corrosive

11.3 Sensitization

XXXX May cause an allergic skin reaction.

11.4 Repeated dose toxicity

Toxicological data are not available.

11.5 CMR effects

Carcinogenicity

Based on existing data the substance does not fulfill the criteria of CMR-substances Cat. 1 and 2 according 67/548/EEC.

Mutagenicity

Based on existing data the substance does not fulfill the criteria of CMR-substances Cat. 1 and 2

according 67/548/EEC.

Reproductive toxicity

Based on existing data the substance does not fulfill the criteria of CMR-substances Cat. 1 and 2 according 67/548/EEC.

11.6 General remarks

No information available.

Practical experience

No information available.

Other observations

No information available.

Additional information

No information available.

12. Ecological information**12.1 Toxicity**

There are no data available on the mixture itself.

Eco toxicity

Substance:	CAS-No.:	Ecotoxicity

12.2 Persistence and degradability

There are no data available on the mixture itself.

12.3 Bio accumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

There are no data available on the mixture itself.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

There are no data available on the mixture itself.

12.7 Further ecological information

Water hazard class (WGK) Do not empty into drains or the aquatic environment.

12.8 Further details

There are no data available on the mixture itself.

13. Disposal considerations**13.1 Waste treatment methods****Appropriate disposal/Product**

Waste disposal according to official state regulations. Carry out under observation of official regulations covering a chemical/physical treatment plant. Carry out a burning of hazardous waste according to official regulations. Consult the local waste disposal expert about waste disposal.

Appropriate disposal/ packaging

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

Control report for waste code/ waste marking according to EAKV

No information available.

Waste key product: 08 04 10 - Klebstoff- und Dichtmassenabfälle mit Ausnahme derjenigen, die unter 08 04 09 fallen

Waste key packaging:

Remark

Waste disposal according to official state regulations.

14. Transport information**14.1 Overland transport (ADR/RID)**

Proper Shipping name

UN No.:

Label:

Remark:

Packing Group:

Classification code:

Not a hazardous material with respect to these transportation regulations.

14.2 Transport by sea (IMDG)

Proper Shipping name

UN-No.:

Label:

EmS-No.:

Special Provisions:

Remark:

Packing Group:

MFAG:

Marine pollutant:

Nein

Not a hazardous material with respect to these transportation regulations.

14.3 Air transport (ICAO-TI / IATA-DGR)

Proper Shipping name

UN/ID-No.:

Label:

Remark:

Packing Group:

Not a hazardous material with respect to these transportation regulations.

14.4 Mail

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information**15.1 Labelling**

Hazardous component(s) for labelling

1,4-Butandioldimethacrylat; Dibenzoylperoxid; Dicyclohexylphtalate

Special labelling of particular preparations

Classification according to Directive 67/548/EEC or 1999/45/EC

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

EU-Regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)
none

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer
No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants
No information available.

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals
No information available.

Regulation (EC) No 648/2004 (Detergents regulation)
No information available.

Restrictions under Title VIII of Regulation (EC) No 1907/2006
No information available.

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations
No information available.

Major Accidents Ordinance
No information available.

Storage class according to VCI

Water Hazard Class according to VwVwS
1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft)
No information available.

Further regulations, limitations and legal requirements
No information available.

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:
Chemical safety assessments for substances in this mixture were not carried out.

16. Other information

16.1 Wording of the H and R-phrases under paragraph 3

Regulation (EC) No 1272/2008
317 May cause an allergic skin reaction.

Directive 67/548/EEC
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16.2 Training instructions

none

16.3 Recommended restrictions of use

none

16.4 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

16.5 Documentation of changes

* Data changed from previous versions

16.6 Data sources

Data arise from reference works and literature.

16.7 Key and definition

none

17. Appendix

17.1 Exposure scenario

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