

SAFETY DATA SHEET

Glue

Two component preparation of acrylic resin and hardener

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/ENTERPRISE

1.1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

a. Trade name:

Glue - two component preparation of acrylic resin and hardener

1.2. USE OF THE SUBSTANCE OR PREPARATION

For gluing and joining Kerrock boards and sinks.

1.3. DETAILS OF THE SUPPLIER

Name: KOLPA d.d.

Address: Rosalnice 5 Poštna št.: 8330

Town: Metlika

Telephone: +386-(0)7-36-92-100

Fax: +386-(0)7-36-92-166

Information: Peter Štukelj, BSc (Chemical Technology)

Telephone: 07-36-92-677

Fax: 07-36-92-271

Telephone in the event of an accident:

outside business hours (after 3 pm):112

(between 8 am and 3 pm) 07-36-92-100

2. IDENTIFICATION OF HAZARDS

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification in accordance with Regulation 1272/2008/EC

H225 – Highly flammable liquid and vapour.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H335 – May cause respiratory irritation.

H400 – Very toxic to aquatic life.

H411 – Toxic to aquatic life with long lasting effects.

2.2 ELEMENTS OF THE LABEL



Signal word: DANGEROUS

H225 – Highly flammable liquid and vapour.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H335 – May cause respiratory irritation.

H400 – Very toxic to aquatic life.

H411 – Toxic to aquatic life with long lasting effects.

- P210** – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.

3. COMPOSITION/INFORMATION ABOUT THE INGREDIENTS

- Substance:
- Mixture:

Chemical description:

Kerrock adhesive is Component A, which is a highly viscous liquid preparation and which, in combination with Component B, is used for gluing Kerrock boards.

Hazardous components:

CAS:80-62-6	Metilmetakrilat	Conc.substance :
EINECS: 201-297-1	Flam.Liq.2, H225; Skin Irrit.2, H 315; Skin Sens. 1, H317, STOT SE 3, H335	Max; 90%
N INDEX: 607-035-00-6		
CAS:27138-31-4	Oxydipropyl dibenzoate	< 9%
EINECS: 248-258-5	Aquatic Chronic 2 , H411;	
CAS:94-36-0	Dibenzoil peroksid	
EINECS: 202-327-6	Org. Perox. B, H241; Aquatic Acute 1, H400; Eye Irrit. 2, H319; Skin. Sens. 1, H317	<1%
N INDEX: 617-008-00-0		

4. FIRST AID MEASURES

4.1. First aid

Inhalation

Move the exposed person to fresh air and ensure that he/she rests. In the event of prolonged exposure, seek medical assistance.

Contact with skin

In case of contact with the product, rinse the skin thoroughly with warm water and soap. If symptoms of irritation or scaling occur, seek medical assistance.

Contact with the eyes

Rinse open eyes for at least 10 minutes with eye wash or running water. Seek medical assistance.

Ingestion: Do not induce vomiting. Rinse the mouth with water and drink 200-300 ml (2 dl) of water. Seek medical assistance.

5. FIRE SAFETY MEASURES

Special warnings

Highly flammable product.

May polymerise if heated. May react explosively in tightly sealed containers.

Suitable extinguishing agents: water mist, foam, dry powder, carbon dioxide (CO₂).

Protective equipment: In conditions of fire, use self-contained breathing apparatus and wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Remove sources of ignition, no smoking.

Prevent passage into surface or underground water or sewerage.

Remove spillage spots with sand, earth or other suitable material. Do not use sawdust or other combustible material. Transfer contaminated material to a tank for further disposal or processing (see section 13).

7. HANDLING AND STORAGE

Handling:

Prevent contact with the skin and eyes. Prevent inhalation of highly concentrated vapours. Use the adhesive in ventilated areas only. Do not smoke or use other sources of ignition. Vapours are heavier than air.

Storage

SAFETY DATA SHEET

Glue

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Keep in the original container in a cool (at temperatures between 10° and 25°C) and well-ventilated space, and away from sources of ignition. Do not smoke. Prevent the effects of heat and direct sunlight. The packaging should be sealed.
Use the adhesive within 12 months.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure control in the workplace

Name of the ingredient	CAS number	EC number	Maximum allowable concentration in the workplace (MAC)
Methyl methacrylate	80-62-6	201-297-1	Official Gazette of the Republic of Slovenia (Slovenia, 6/2007). MV: 210 mg/m ³ 8 h.. MV: 50 ppm 8 h..

Slovenian regulations: Exposure limit values (ELV) that must be observed and monitored in the workplace (Rules on the protection of workers from risks related to exposure to chemical substances at work; Official Gazette of the RS 100/2001, amendment: Official Gazette of the RS 39/2005).

Enable adequate ventilation.

HAND PROTECTION; Protective gloves (nitrile rubber and polyethylene are more suitable than PVC)

EYE PROTECTION; Safety glasses

SKIN PROTECTION; Protective work clothing

RESPIRATORY PROTECTION; Not necessary, except at high concentrations of gas/steam - type A filter mask

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	highly viscous liquid
Colour:	determined by the customer's selection or order
Smell:	characteristic according to MMA
Melting point:	- 48°C
Boiling point:	100.5°C
PH value:	n.a.
Flashpoint:	> 11.5°C
Self-ignition temperature:	> 421°C
Explosion range:	n.a.
Specific weight (at 20°C):	1.060 g/ml
Oxidation properties:	n.a.
Vapour pressure (at 25°C):	5.3 KPa
Solubility in water (at 20°C):	1.6%
Solubility in other solvents:	miscible with most organic solvents

10. STABILITY AND REACTIVITY

Chemical stability:

(SADT - self-accelerating decomposition temperature) is the lowest temperature at which a product undergoes self-accelerating decomposition in its packaging with the substance in the packaging that was used in transport. A hazardous self-accelerating decomposition reaction and, under certain conditions, an explosion or fire - may cause thermal decomposition at the following or higher temperature: 30°C. Contact with incompatible substances may cause decomposition at the SADT value, 30°C., or higher.

Conditions that can be prevented (which should be prevented):

To preserve quality, store in the original sealed packaging as follows: between 10° and 25°C.

Incompatible materials:

Contact with rust, iron and copper must be avoided. Contact with incompatible materials such as acids, alkali, heavy metals and reducing agents leads to hazardous decomposition. Do not mix with peroxide accelerants. Use only; Stainless steel 316 (DIN 1,4571), PP, polyethylene or glass-coated apparatus.

11. TOXICOLOGICAL INFORMATION

Methyl methacrylate: LD50: 7872 mg/kg Rat, orally
LC50 : 7093 ppm/4h Rat, inhalation

Oral toxicity is low, but if swallowed, it may cause irritation of the digestive tract. After contact with skin, it may cause skin sensitisation, while prolonged contact may cause dermatitis. Exposure of the respiratory system to high concentrations in the atmosphere may lead to respiratory tract irritation, dizziness, headaches and anaesthetic effects. High concentrations of vapours cause eye irritation. Teratogenic, mutagenic and carcinogenic risks have not been observed in thorough animal testing.

12. ECOLOGICAL INFORMATION

Acute toxicity

Methyl methacrylate monomer: LC50 (96 h) 150 ppm Pimephales promelas
LC50 (96 h) 232ppm Lepomis macrochirus
Chemical oxygen demand: 28 days (BPK): 88%

Harmful to fish.

LC 50 (trout), 96 h static, 130 mg/ml

Harmful to aquatic invertebrates.

EC 50 (Daphnia magna) 48 h 69 mg/l

Low toxicity to algae.

LC 50 (Selenastrum capricornutum) 96 h 170 mg/l

The product is gradually removed through biological processes.

13. DISPOSAL

The remaining product should be treated as especially hazardous waste. Do not dispose of into the environment. Do not release into water. Chemicals should be adequately disposed of in accordance with local regulations. Waste material code: 08 04 09* (Waste adhesives and sealants containing organic solvents or other dangerous substances)

Methods of disposal:

After mixing with Kerrock adhesive (component A and component B), in accordance with the instructions for use, polymerisation occurs, and an inert polymer is present in the environment, which should be handled in accordance with regulations. The polymer obtained is suitable for disposal at a landfill in accordance with the Rules on Waste Management (Official Gazette of the Republic of Slovenia No. 84/98).

Incineration is also possible. Packaging waste code: /

14. TRANSPORT INFORMATION

Land transport

ADR/RID class: 3

Packaging group: II

Name of cargo: adhesive containing a flammable liquid*

Maritime transport

IMDG/GGVS-class: 3.2

Packaging group: II

Name of cargo: adhesive containing a flammable liquid*

Air transport

ICAI/IATA-class: 3

Packaging group: II

Page: 3259

Name of cargo: adhesive containing a flammable liquid*

UN No.: 1133

SAFETY DATA SHEET

Glue

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15. REGULATORY INFORMATION

15.1. Special instructions:
no information

15.2. Relevant regulations

- Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and amending Directive 1999/45/EC and repealing Council Regulation (EC) No. 793/93 and Commission Regulation (EC) No. 1488/94 and Council Directive 76/769/EEC and Commission Directives 91/155/EEC , 93/67/EEC , 93/105/EC and 2000/21/EC
- Regulation (EC) No. 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006
- Chemicals Act /ZKem/
- Rules on the Classification, Packaging and Labelling of Dangerous Substances
- Rules on the Classification, Packaging and Labelling of Dangerous Preparations
- Decree on Waste Management
- Decree on the Management of Packaging and Packaging Waste
- Decision on the Publication of Annexes A and B to the European Agreement Concerning the International Carriage of Dangerous Goods /ADR/
- Rules on the Protection of Workers from Risks Related to Chemical Agents at Work

16. Other information

Kerrock adhesive is a two-component adhesive. The instructions for use and safety instructions should be observed during its use.

Component A is intended for use by qualified persons only. The Kerrock Processing Instructions and the Instructions for the Use of Kerrock Adhesive must be observed during use. Sold in different packaging units; 50 ml and 250 ml.

The above information is based on our current knowledge and experience and refers to the product in the condition in which it was delivered. The purpose of this information is to describe our product in relation to our safety requirements. These statements do not constitute a guarantee of product properties in a legal sense. The responsibility of the customer is to know and take account of the legal provisions relating to the transport and use of the product. Product properties are described in technical information.

Additional Information Kolpa d.d, Metlika, Tel: 07 3692100, fax: 07 3692166