SAFETY DATA SHEET

Hardener - Component B kerrock by kolpa

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

1.1.IDENTIFICATION OF THE SUBSTANCE OR PREPARATION
a. Trade name:
Hardener - Component B

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
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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
H242 – Heating may cause a fire.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H400 – Very toxic to aquatic life.

2.2 ELEMENTS OF THE LABEL

Signal word: **Careful**
H242 – Heating may cause a fire.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H400 – Very toxic to aquatic life.
P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 – Keep/Store away from clothing/…/combustible materials.
P234 – Keep only in original container.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION/INFORMATION ABOUT THE INGREDIENTS

- Substance:
- Mixture:

Chemical description:
Component B of Kerrock adhesive, dibenzoyl peroxide in 40% suspension in a solvent, which, in combination with Component A, is used for gluing Kerrock boards.

Hazardous components:

This product is to be considered as a preparation in conformance to EC directives.			
Information on hazardous ingredients			
Chemical description Dibenzoyl peroxide, 40% suspension in solvent mixture			
Composition / information on ingredients			
Number	**% w/w**	**CAS-number**	**Chemical name**
1	38 - 42	000094-36-0	Dibenzoyl peroxide
2	1 - 20	000112-34-5	Butyldioxytol
3	10 - 15	proprietary	Proprietary diluent
4	2 - 9	000111-46-6	Diethylene glycol
5	1 - 5	proprietary	Proprietary filler
6	1 - 5	proprietary	proprietary
7	0.1	000128-37-0	2,6-Di-tert-butyl-4-methylphenol

Number	**REACH Registration number**	**EC-number**	**Classification according to 1272/2008 as amended**		
1	01-2119511472-50	202-327-6	Organic peroxide	Type B	H241 H317 H319 H400
			Eye irritation	category 2	
			Aquatic environment, acute	category 1	
			Skin sensitization	category 1	
2	01-2119475104-44	203-961-6	Eye irritation	category 2	H319
3			GHS classification	none	
4	01-2119457857-21	203-872-2	Acute toxicity (oral)	category 4	H302 H373A
			Target organ, repeated exposure	category 2	
5			GHS classification	none	
6			GHS classification	none	
7		204-881-4	Aquatic environment, chronic	category 1	H410
			Aquatic environment, acute	category 1	

Other information
Balance: non-hazardous ingredients.

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 15 minutes with eye wash or running water; during rinsing an assistant should remove the contact lenses, if the victim uses contact lenses. 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. If the patient has vomited, they should lie on the left side, thus reducing the risk of inhalation.

Advice to physicians: An increased risk of exposure to the effects of this substance may occur in people with pre-existing skin, respiratory tract and/or central nervous system conditions.
The patient's condition should be monitored closely. Inhalation of this product during emesis may lead to lung disease. If it is necessary to empty the stomach of its contents, use a vomiting inducing method that is reliable, such as gastric lavage after inserting a tube through the trachea. For further information about treatment, please contact the Poisoning Control Centre. Treat the patient's symptoms.

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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, alcohol-resistant foam, dry powder, carbon dioxide (CO2).
Hazardous decomposition point/combustion products: CO_2, carbon monoxide, benzene, benzoic acid. **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
Keep in the original container in a cool (at temperatures between 0° and 25°) 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 6 months.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Dibenzoyl peroxide		
Short-Term Exposure Limit (STEL)	15 mg/m^3	(calculated)
Time-weighted average (TWA)	5 mg/m^3	
Butyldioxytol		
Short-Term Exposure Limit (STEL)	101.2 mg/m^3	
Short-Term Exposure Limit (STEL)	15 ppm	
Time-weighted average (TVVA)	ID ppm	
Time-weighted average (TVVA)	67.5 mg/m^3	
Diethylene glycol		
Short-Term Exposure Limit (STEL)	303 mg/m^3	(calculated)
Short-Term Exposure Limit (STEL)	69 ppm	(calculated)
Time-weighted average (TVVA)	101 mg/m^3	
Time-weighted average (TVVA)	23 ppm	
Proprietary filler		
Short-Term Exposure Limit (STEL)	10 mg/m^3	(calculated), inhalable powder
Short-Term Exposure Limit (STEL)	7.2 mg/m^3	(calculated). Inhalable powder
Time-weighted average (TWA)	2.4 mg/m^3	Inhalable powder
Time-weighted average (TWA)	6 mg/m^3	inhalable powder

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 suspension
Colour white
Smell mild
Boiling point/boiling range not applicable (decomposes)
melting point/freezing point Solidifies at or below 0°C / 32°F **Flashpoint** Above the SADT value
Flammability/ignition temperature Decomposition products are flammable.
Risk of explosion no
Fire-accelerating properties not applicable
Vapour pressure not specified
Density 1160 kg/m^3 (20°C / 68°F) **Specific weight =** 1.18 (20°C / 68°F)
Density of fill materials not applicable
Solubility in water Miscible (20°C; / 68°F)
Solubility in other solvents. not specified
pH value neutral
Partition coefficient n-octanol/water not specified
Relative vapour density (air = 1) not specified
viscosity not specified
Active oxygen concentration 2.78%
Peroxide content 40 %
Spontaneous combustion temperature Reagent method is not suitable (See paragraph 7)
SADT 50°C See also section 10
Explosion limit not specified
Volatile % not specified

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: 50°C. Contact with incompatible substances may cause decomposition at the SADT value, 50°C, or higher.

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

To preserve quality, store in the original sealed containers as follows: 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

There are no experimental toxicological data on the preparation as such... The following test results should be used for the following components:.	
Dibenzoyl peroxide, 78%	
	Acute toxicity.
	Orally LD50 rat:> 5000 mg/kg
	Inhalation LC5O rat:> 24.3 mg/l; 4 h exposure time max. achievable concentration
	Irritation
	Skin Non-irritating (4 h exposure time)
	Moderately irritating
	Sensitisation Sensitisation may occur after contact with skin
	Genotoxicity Test Ames: not mutagenic
Triethyl phosphate	
	Acute toxicity.
	Orally LD50 Harmful if swallowed
	Other toxicological information Mandatory ELJ labelling was taken into account.
2-(2-Butoxyethoxy)ethanol	
	Acute toxicity.
	Orally LD50 5660 mg/kg (rat)
	Dermally L050 4120 mg/kg (rabbit)
	Irritation
	Skin Slightly irritating
	Irritating to the eyes.

12. ECOLOGICAL INFORMATION

The preparation has not been tested ecologically... The following test results should be used for the following components:.	
Dibenzoyl peroxide, 78%	
Ecotoxic effects	
	fish

	Acute toxicity., 96h-LC50 = 2.0 mg/l. (Poecilia reticulata.)
	daphnia 48 h-EC50: 2.91 mg/l
	bacteria Tests relating to the inhibition of respiration for enriched sludge EC-50 = 35 mg/l.
	Environmental behaviour
	Biodegradation Biodegradable (Closed bottle test)
2-(2-Butoxyethoxy)ethanol	
Ecotoxic effects	
	fish 48h-LC50: >1000 mg/l
	daphnia 48h-EC50 >100 mg/l (Daphnia magna)
	Environmental behaviour
	Biodegradation Highly biodegradable
	bioaccumulation Bioaccumulation is not expected.
Legally protected	
Ecotoxic effects	
	fish 08h-LC50: >1000 mg/l (Poecilia reticulata)
	daphnia 48h-EC50: >10000 mg/l (Daphnia magna)
	bacteria 16h-EC5O 83.3 g/l (Pseudomonas putida)
	bioaccumulation Bioaccumulation is not expected.
	Environmental behaviour Log Pow = 1.76

13. DISPOSAL

The remaining the product should be treated as especially hazardous waste. Do not dispose of it into the environment. Do not release into water. Chemicals should be adequately disposed of in accordance with local regulations.

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:	5.2
Packaging group:	P1
Hazard number:	539
No. UN:	3109
Correct technical name:	dibenzoyl peroxide (type F organic peroxide, liquid)

Maritime transport

IMDG/GGVS-class:	5.2
Packaging group:	P1
No. UN:	3109
Correct technical name:	dibenzoyl peroxide (type F organic peroxide, liquid)

Air transport

ICAI/IATA-class:	5.2

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UN No.: 3109
Correct technical name: dibenzoyl peroxide (type F organic peroxide, liquid)

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 three different weights; 5 ml and 10 ml, 1 kg and 10 kg. Component A see Safety Data Sheet; Kerrock adhesive - Component A.

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