

SAFETY DATA SHEET

TEMP BOND CLEAR with Triclosan, BASE

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

1.1. Product identifier

Product name TEMP BOND CLEAR with Triclosan, BASE

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

Applications Resin based dental temporary cement.

1.3. Details of the supplier of the safety data sheet

Supplier KERRHAWE S.A.
Via Strecce n°4
6934 Bioggio (Switzerland)
Tel: 00-800-41-050-505
E-mail: safety@kerrhawe.com

Contact person Greet Pfister (E-mail: greet.pfister@kerrhawe.com)

Manufacturer Kerr Corporation
1717 West Collins Avenue
92867 Orange – CALIFORNIA (U.S.A.)
Tel: 00-800-41-050-505
safety@kerrhawe.com

1.4. Emergency telephone number

Emergency telephone number 112 / National Poisons Information Service (NPIS), phone 0844 892 0111 . WEB: <http://www.toxbase.org>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c).

Symbol(s)



Contains

2-hydroxyethyl methacrylate
dibutyl phthalate, DBP
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)diacrylate
triclosan

2.2. Label elements

Risk phrases

The product is seen as a medical, invasive product and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c).
R-43 May cause sensitisation by skin contact.
R-61 May cause harm to the unborn child.
R-62 Possible risk of impaired fertility.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S-36/37 Wear suitable protective clothing and gloves.

S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S-53 Avoid exposure - obtain special instructions before use.

S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

CLP

Hazard pictograms



Signal word

Danger

Hazard statements

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

Repr. 1B: H360Df May damage the unborn child. Suspected of damaging fertility.

Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand. P201 Obtain special instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P273 Avoid release to the environment.

2.3. Other hazards

Meets the criteria for vPvB

No.

Meets the criteria for PBT

No.

Other hazards which do not contribute to classification No known risks.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
2-hydroxyethyl methacrylate	212-782-2	868-77-9	5-7 %	Xi	R-36/38, R-43
dibutyl phthalate, DBP	201-557-4	84-74-2	5-7 %	T ,N	R-61, R-62, R-50
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)diacrylate	256-032-2	42978-66-5	2-6 %	Xi ,N	R-36/37/38, R-43, R-51/53
triclosan	222-182-2	3380-34-5	<1,2 %	Xi ,N	R-36/38, R-50/53

CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
2-hydroxyethyl methacrylate		5-7 %	GHS07, , Warning	Eye Irrit. 2: H319, Skin Irrit. 2: H315, Skin Sens. 1: H317	868-77-9
dibutyl phthalate, DBP		5-7 %	GHS09, GHS08, , Danger	Repr. 1B: H360Df, Aquatic Acute 1: H400	84-74-2
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)diacrylate		2-6 %	GHS09, GHS07, , Warning	Skin Irrit. 2: H315, Skin Sens. 1: H317, Eye Irrit. 2: H319, STOT SE 3: H335, Aquatic Chronic 2: H411	42978-66-5
triclosan		<1,2 %	GHS09, GHS07, , Warning	Eye Irrit. 2: H319, Skin Irrit. 2: H315, Aquatic Acute 1: H400, Aquatic Chronic 1: H410, M-factor=100	3380-34-5

Section 16 contains detailed classification phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Provide rest, warmth and fresh air. Contact physician if discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation Fresh air. Get medical attention if any discomfort continues.

Ingestion Rinse mouth with water. Do not induce vomiting. Contact physician.

Skin Remove contaminated clothing immediately and wash skin with soap and water. Contact physician if irritation continues.

Eyes Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media Foam, carbon dioxide or dry powder.

Special fire fighting procedures Containers close to fire should be removed or cooled with water.

5.2. Special hazards arising from the substance or mixture

Specific hazards Non-flammable. Heating could result in rapid polymerization, which results in strong heat generation.

Hazardous combustion products Unknown.

5.3. Advice for firefighters

Protective measures in fire Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection Wear appropriate personal protective equipment - see Section 8.

6.2. Environmental precautions

Environmental protection Prevent discharge of larger quantity to drain.

6.3. Methods and material for containment and cleaning up

Spill cleanup methods Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

No specific reference.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions Wear appropriate personal protective equipment - see Section 8. Eliminate all sources of ignition. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store dry. Store cool. Keep away from heat, sparks and open flame. Protect from light, including direct sunrays. Keep in original container. Store separated from: Reducing Agents. Oxidising material. Peroxides. Amines.

7.3. Specific end use(s)

Specific use(s) Contact supplier for more information.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
dibutyl phthalate, DBP	84-74-2	WEL.	5 mg/m ³	10 mg/m ³	

Ingredient comments

WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic

Protective equipment**Process conditions**

Provide eyewash station.

Ventilation

Well ventilated area.

8.2. Exposure controls**Respirators**

Under normal conditions of use respiration protection should not be required. In case of inadequate ventilation: CCROV, CCR with organic vapour cartridge.

Protective gloves

Impermeable material. Neoprene. Butyl rubber.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygienic work practices

Wash at the end of each work shift and before eating, smoking and using the toilet.

DNEL

No data.

PNEC

No data.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste	
Odour	Fruity. Ester.	
Solubility description	Insoluble in water.	
Density (g/cm ³)	2,5	Temperature (°C)

9.2. Other information

Safety information	Not known.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No incompatible groups noted.

10.2. Chemical stability

Stable under the prescribed storage conditions. The product is stabilized with non-hazardous polymerization inhibitors.

10.3. Possibility of hazardous reactions

Hazardous polymerisation	Will not polymerise.
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10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	Reducing substances. Oxidising substance. Peroxides Amines.
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10.6. Hazardous decomposition products

Hazardous decomp. products	No hazardous decomposition compounds at recommended use.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Sensitization	May cause allergic skin reaction.
Genotoxicity	No known information.
Carcinogenicity	No cancer hazard.
Reproduction toxicity	May damage the unborn child. Suspected of damaging fertility.
Inhalation	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Ingestion	Uncured material may be harmful if swallowed in large amounts.
Skin	Prolonged contact may cause redness, irritation and dry skin. May cause sensitisation by skin contact.
Eyes	Direct contact may irritate.
COMPONENT:	2-hydroxyethyl methacrylate
Toxicology data	Acute toxicity. LC50. 3 weeks Inhalation. Rabbit. >0,5 mg/kg
Toxic dose - LD50:	>5000 mg/kg (oral rat)
Toxic dose - LD50 (skin):	>3000 mg/kg (skin rabbit)
Sensitization	May cause allergic skin reaction.
COMPONENT:	dibutyl phthalate, DBP
Toxicology data	Acute toxicity. TDL0 Oral. Human. 140 mg/kg (CNS)
Toxic dose - LD50:	>8000 mg/kg (oral rat)
Toxic dose - LD50 (skin):	>20 mg/kg (skin rabbit)

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
12.2. Persistence and degradability	Unknown.
12.3. Bioaccumulative potential	Unknown.
12.4. Mobility in soil	
Mobility	Unknown.
12.5. Results of PBT and vPvB assessment	
PTB/vPvB	No data available.
12.6. Other adverse effects	Not known.
COMPONENT:	2-hydroxyethyl methacrylate
LC 50, 96 Hrs, Fish mg/l:	227 (Pimephales promelas)
EC 50, 48 Hrs, Daphnia, mg/l:	2,91 (Daphnia magna)
Bioaccumulative potential	BCF:1,3 - 1,5
Partition coefficient (log Pow)	0,47
Persistence and degradability	84 % deg., 28 days, Method: OECD 301D The component is not readily biodegradable.
COMPONENT:	dibutyl phthalate, DBP
LC 50, 96 Hrs, Fish mg/l:	1,2
EC 50, 48 Hrs, Daphnia, mg/l:	1 - 10 (Daphnia magna)

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
General/cleaning	Waste is classified as hazardous waste.
Disposal methods	Dispose of in accordance with Local Authority requirements.
Waste class	18 01 06* chemicals consisting of or containing dangerous substances The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

SECTION 14: Transport information

General	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
14.1. UN number	
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
14.4. Packing group	
14.5. Environmental hazards	
14.6. Special precautions for user	
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No IBC-code for bulk transport offshore.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU directives	Medical, invasive equipment, EU-regulation 1907/2006, article 2, paragraph 6c, EU-regulation 453/2010/EC, 1907/2006/EC (REACH, CLP), 1272/2008/EC, 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
15.2. Chemical safety assessment	

Chemical Safety Assessment

Chemical Safety Report (CSR) has not been carried out for this product.

SECTION 16: Other information

Explanations to R-phrases in section 3 R-36/37/38 Irritating to eyes, respiratory system and skin.
R-36/38 Irritating to eyes and skin.
R-43 May cause sensitisation by skin contact.
R-50 Very toxic to aquatic organisms.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-61 May cause harm to the unborn child.
R-62 Possible risk of impaired fertility.

Explanations to classification in section 3 H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360Df May damage the unborn child. Suspected of damaging fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
M-factor=100

*** Information revised since the previous version of the SDS**

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