

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.01.2008

Revision: 24.10.2007

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** combo.lign

- **Article number:**

CO2x4A10, CO2x4A20, CO2x4A30, CO2x4A35, CO2x4A40, CO2x4B10, CO2x4B20, CO2x4B30, CO2x4B40, CO2x4C10, CO2x4C20, CO2x4C30, CO2x4C40, CO2x4D20, CO2x4D30, CO2x4D40

- **Application of the substance / the preparation** Dual-hardening luting composite

- **Manufacturer/Supplier:**

bredent GmbH & Co.KG

Weißenhornstraße 2

89250 Senden

Tel: +49 (0) 7309/872-0

Fax: +49 (0) 7309/872-24

- **Further information obtainable from:**

R & D

e-mail: R.D@bredent.com

- **Information in case of emergency:** Tel.: +49 (0) 6132-84436 (24 h)

2 Hazards identification

- **Hazard description:** Not applicable.



- **Information concerning particular hazards for human and environment:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization**

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

- **Dangerous components:**

CAS: 72869-86-4 EINECS: 276-957-5	7,7,9-(bzw. 7,9,9)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat R 52/53	10-25%
CAS: 1565-94-2	Bisphenol-A-Diglycidyl-Methacrylate  Xi; R 36/38	2.5-10%
CAS: 42594-17-2	Tricyclodecane Dimethanol Diacrylate  Xi; R 36/38	2.5-10%

4 First aid measures

- **After inhalation:** Supply fresh air.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:**

Seek immediate medical advice.

Rinse out mouth and then drink plenty of water.

5 Fire-fighting measures

- **Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Carbon dioxide

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 2)

GB

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(Contd. of page 1)

- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Protect from exposure to the light.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Be sure to clean skin thoroughly after work and before breaks.
Keep away from foodstuffs, beverages and feed.
- **Respiratory protection:** Not required.
- **Protection of hands:** Solvent resistant gloves
- **Eye protection:** Safety glasses
- **Body protection:** Light weight protective clothing

9 Physical and chemical properties

· General Information

Form:	Pasty
Colour:	Coloured
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

· **Flash point:** > 150°C

· **Ignition temperature:** nicht bestimmt

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** 1.87 g/cm³

(Contd. on page 3)

GB

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(Contd. of page 2)

- | | |
|--|------------|
| · Solubility in / Miscibility with water: | Insoluble. |
| · Viscosity: | |
| Dynamic: | 2000 Pa*s |
| · Solvent content: | |
| · Solids content: | > 50.0 % |

10 Stability and reactivity

- **Dangerous reactions**
*Reacts with peroxides.
Photoreactive.
Danger of polymerization.*
- **Dangerous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

72869-86-4 7,7,9-(bzw. 7,9,9) Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat

Oral	LD50	> 2000 mg/kg (rat)
	LC50 / 96 h	10.1 mg/l (brachidanio rerio)

- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No data available.*

12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

72869-86-4 7,7,9-(bzw. 7,9,9) Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol-dimethacrylat

LC50 / 96 h	10.1 mg/l (brachidanio rerio)
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- **General notes:** *Do not allow product to reach ground water, water course or sewage system.*

13 Disposal considerations

- **Product:**
- **Recommendation**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

GB

(Contd. on page 4)

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(Contd. of page 3)

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulatory information

- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**
*Contains dibenzoyl peroxide. May produce an allergic reaction.
Safety data sheet available for professional user on request.*

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 R-phrases**
*36/38 Irritating to eyes and skin.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Department issuing MSDS:** R & D
- **Contact:** R & D

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