

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2009

Revision: 06.03.2009

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

- **Product details**
- **Trade name:** Opaquere combo.lign
- **Article number:** CO1X4KAT, CO1X4OPG, CO1X4OPI, CO1X4OPL, CO1X4OPM
- **Application of the substance / the preparation**
- **Further information obtainable from:**
R & D
e-mail: R.D@bredent.com
- **Information in case of emergency:** (001)3523233500 (24 h)

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

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

- **Dangerous components:**

1565-94-2	Bisphenol-A-Diglycidyl-Methacrylate	☒ Xi; R 36/38	2.5-10%
42594-17-2	Tricyclodecane Dimethanol Diacrylate	☒ Xi; R 36/38	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

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.
- **Information for doctor:**
- **The following symptoms may occur:** Allergic reactions

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.

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- **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.

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 heat and direct sunlight.

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.
- **Additional information:** The lists valid during the making were used as basis.
- **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.
Boiling point/Boiling range: Undetermined.

· **Flash point:** > 150°C

· **Flammability (solid, gaseous):** Undetermined.

· **Ignition temperature:** Undetermined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Undetermined

· Explosion limits:

Lower: Undetermined
Upper: Undetermined

· **Density:** 1.87 g/cm³

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· **Solubility in / Miscibility with water:** *Not miscible or difficult to mix.*

· **Viscosity:**
· **Dynamic:** *2000 Pa*s*

· **Solvent content:**
· **Organic solvents:** *0.0 %*

· **Solids content:** *>50.0 %*

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **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:**

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.*

12 Ecological information

- **Information about elimination (persistence and degradability):** *Not easily biodegradable*
- **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:**
Non contaminated packagings may be recycled.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class: -**

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.

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.
- **Department issuing MSDS: R & D**
- **Contact: R & D**
- *** Data compared to the previous version altered.**

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