

Material Safety Data Sheet

Revision Date: 10.02.2010

(EC 1907/2006)

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1. Chemical product and company identification

Product name:

EcuSeal

Supplier:

DMG Chemisch-Pharmazeutische Fabrik GmbH

Elbgaustraße 248

22547 Hamburg

Germany

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2. Hazards Identification

None, if handled according to directions.

Irritating to eyes, respiratory system and skin.

3. Composition / Information on ingredients

Common chemical name / Generic name:

Preparation of acrylic resin, glass powder, silica.

Contains aliphatic dimethacrylate, aromatic dimethacrylate, polycarboxylic polymethacrylate.

4. First-aid measures

In case of inhalation: In case of prolonged exposure take patient to open air.

In case of skin contact: Wash with soap and water.

In case of eye contact : Rinse with plenty of water, consult a physician.

In case of ingestion: Immediately seek medical advice.

5. Fire-fighting measures

Extinguishing media: Powder, sand, foam, carbon dioxide, water spray.

Not suitable extinguishing media: direct jet of water

6. Accidental release measures

Personal precautions: Use only in well-ventilated areas.

Environmental precautions: Do not empty into drains.

Methods for cleaning up: Take up mechanically, with inert fluid-binding material.

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7. Handling and storage

Handling:

Technical measures: Keep container tightly closed.

Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures: Keep container in a well-ventilated place.

Storage conditions: Keep container tightly closed. Keep in a dark, cool place.

Recommended packaging material: Container of glass, metal or solvent-stable plastics.

8. Exposure controls/personal protection

Engineering measures: Use only in well-ventilated areas.

Personal protective equipment:

Respiratory protection: Do not breathe vapour.

Hand and skin protection: Rubber gloves.

Eye protection: Goggles.

Hygiene measures: When using do not eat or drink.

9. Physical und chemical properties

Appearance: Yellowish, highly viscous liquid

Odour: esterlike, weak

pH-value: ca. 3,5

Changes in physical state:

Decomposition temperature: > ca. 200 °C

Flashpoint: > 150 °C

Explosion properties: not established

Vapour pressure: < 1 mbar / 20 °C

Rel. vapour density: > 1

Density: ca. 1.3 g/cm³

Solubility in water: ca. 30 g/l / 20 °C

10 Stability and reactivity

Thermal decomposition: at ca. 200 °C

No decomposition, if handled according to directions.

Hazardous reactions: None, if handled and stored according to directions.

Conditions to avoid: Heat, light.

Materials to avoid: Free radicals, reducing agents, heavy metal ions.

Hazardous decomposition products: In case of fire acrid acrylic fumes.

Cures on exposure to visible or UV-light.

11 Toxicological information

Acute oral toxicity: LD₅₀ (Ratte) > 11 000 mg/kg

Irritation of skin : Irritating on prolonged exposure.

Irritation of eye: Irritating.

Specific effects: Allergic reactions to methacrylates are possible.

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12 Ecological information

- Do not discharge into drains or the environment.

Persistence und degradability: No data available for the preparation.

13 Disposal considerations

- Waste from residues:** Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

14 Transport information

- Additional information:** Not dangerous cargo.

15 Regulatory information

- Labelling according international regulations:** Xi, Irritant. Contains methacrylic ester.

Symbols of danger: St Andrew's cross.

R-Phrases: 36/37/38

Irritating to eyes, respiratory system and skin.

S-Phrases: 26 - 28

In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

After contact with skin wash immediately with plenty of water and soap.

16 Other information

- None.

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.