

# Material Safety Data Sheet

Revision Date: 12.11.2010

(EC 1907/2006)

Page 1 of 4

2500-22-10

## 1. Chemical product and company identification

**Product name:**

Luxatemp Glaze & Bond

**Supplier:**

**DMG Chemisch-Pharmazeutische Fabrik GmbH**

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22547 Hamburg

Germany

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## 2. Hazards Identification

Highly inflammable

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact

## 3. Composition / Information on ingredients

**Common chemical name / Generic name:**

Preparation of acrylic resin.

Contains methyl methacrylate.

## 4. First-aid measures

**In case of inhalation:** Take patient to open air. Let sit down calmly.

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

**In case of eye contact :** Immediately 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.

**Not suitable extinguishing media:** direct jet of water

## 6. Accidental release measures

**Personal precautions:** Local exhaust.

**Environmental precautions:** Do not empty into drains.

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

# Material Safety Data Sheet

Revision date: 12.11.2010

Trade name: Luxatemp Glaze & Bond  
2500-22-10

Page 2 of 4

## 7. Handling and storage

### Handling:

**Technical measures:** Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges. Keep container in a well-ventilated place.

**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.

## 8. Exposure controls/personal protection

**Engineering measures:** Use only in well-ventilated areas.

**Limit values:** MAK-TLC-Value (for MMA): 210 mg/m<sup>3</sup>; 50 ml/m<sup>3</sup>  
Schwangerschaftsgruppe C.

### Personal protective equipment:

**respiratory protection:** Do not breathe vapour. Breathing mask filter type A.

**Hand and skin protection:** Rubber gloves.

**Eye protection:** Goggles.

**Hygiene measures:** When using do not eat or drink.

## 9. Physical und chemical properties

**Appearance:** Slightly yellowish liquid

**Odour:** esterlike

**pH-value:** not applicable

### Changes in physical state:

**Decomposition temperature:** > ca. 100 °C

**Flashpoint:** > 10 °C

**Ignition temperature:** > 430 °C

**Explosion properties:** 2.1 – 12.5 Vol %

**Vapour pressure:** 40 mbar / 20 °C

**rel. vapour density:** > 1

**Density:** ca. 1.1 g/cm<sup>3</sup>

**Solubility in water:** ca. 16 g/l / 20 °C

## 10 Stability and reactivity

**Thermal decomposition:** at ca. 100 °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.

# Material Safety Data Sheet

Revision date: 12.11.2010

Trade name: Luxatemp Glaze & Bond  
2500-22-10

Page 3 of 4

## 11 Toxicological information

**Acute oral toxicity:** LD<sub>50</sub> (rat) > 8000 mg/kg (MMA); > 5000 mg/kg (acrylate)  
**Irritation of skin :** Irritating on prolonged exposure.  
**Irritation of eye:** Reddening. Irritating on prolonged exposure.  
**Specific effects:** Allergic reactions to methacrylates are possible. Sensitisation tests are reported contradictory in the literature.

## 12 Ecological information

Do not discharge into drains or the environment.  
**Persistence und degradability:** No data available for the preparation.  
Degradability of components from ca 30 % (MMA) to 98 %.  
Classification according to OECD: Not easily degradable, but potential biologically degradable.  
**Ecotoxicity:** Fish toxicity LC<sub>50</sub> > 350 mg/l / 48 h (MMA).

## 13 Disposal considerations

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

## 14 Transport information

### Regulations for land (road/railroad):

GGVSE: Class 3, II

ADR: Class 3, II

RID: Class 3, II

### Regulations for sea:

IMDG/GGVSee-Code: Class 3, II

EmS: 3-07

MFAG: 330

### Regulations for air:

ICAO/IATA-DGR: Class 3, II

**UN-number:** 1247

### Additional information:

Proper shipping name: Methyl methacrylate monomer, stabilized, solution

# Material Safety Data Sheet

Revision date: 12.11.2010

Trade name: Luxatemp Glaze & Bond  
2500-22-10

Page 4 of 4

## 15 Regulatory information

• **Labelling according to international regulations:** Contains methyl methacrylate.  
Xi, Irritant; F, Highly inflammable.

**Symbols of danger:** St Andrew's cross; flame symbol.

**R-Phrases:** 11 -36/37/38 - 43

Highly flammable.

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

**S-Phrases:** 9 - 16 - 26 - 28 - 29

Keep container in a well-ventilated place.

Keep away from sources of ignition - No smoking.

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.

Do not empty into drains.

**VbF-class:** A 1

## 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.