

**Product Name: LP/H Lacquer**

**Article No.: 30600**

Print Date: 28 April 2004

last alteration: 2004-03-19

## 1. Chemical Product and Company Identification

**1.1 Product name:** LP/H Lacquer

### 1.2 Manufacturer / distributor identification

company: Egger Otoplastik+Labortechnik GmbH  
Aybühlweg 59  
D-87439 Kempten

Phone: +49 - 8 31 - 5 81 13 –60

Fax: +49 - 8 31 - 5 81 13 –14

Internet: www.egger-labor.com

e-mail: sales@egger-labor.de

Poison emergency: Munich (Germany) (Toxicological department of the II. Med. Hospital)

Phone: 00 49 –89 –1 92 40

## 2. Composition / Information on Ingredients

**2.1 Chemical characterization (preparation):** Mixture of acrylic/methacrylic resins with auxiliary matters.

**2.2 Hazardous ingredients:** Methylmethacrylates 40 –60 %

**CAS-No.:** 80-62-6

**2.3 Additional advice:** ---

## 3. Possible Hazards

Critical hazards to man and environment: Flammable. Irritating respiratory system and skin. May cause sensitisation by skin contact.

## 4. First-Aid Measures

**General information:** Take off immediately all contaminated clothing. Medical advice is necessary in case of symptoms evidently being due to the contact of this product with skin and eyes, or being due to the inhalation of vapours.

**After inhalation:** Move to fresh air immediately and lay victim restful down. Seek medical advice immediately. After prolonged inhalation a toxic pulmonary oedema may occur.

**After skin contact:** Wash with plenty of water and soap. Do not use organic solvents! Avoid direct UV- or sunlight. In case of skin irritations seek medical advice.

**After eye contact:** Rinse immediately with plenty of water for at least 15 minutes and seek medical advice immediately.

**After swallowing:** Seek medical advice immediately and clearly identify substance. Rinse mouth well with water and let drink plenty of water. Do not induce vomiting!

**Advice to doctor:** ---

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## 5. Fire-Fighting Measures

**Suitable extinguishing material:** water mist, dry powder, foam, carbon dioxide

**Extinguishing material which must not be used for safety reasons:** water jet

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** Do not breathe combustion gases.

**Special protective equipment for fire fighting:** Use respiratory protection independent of recirculated air. Wear suitable protective clothing. Accomplish decontamination by means of explosion-proofed equipment.

**Additional information:** ---

## 6. Accidental Release Measures

**Personal precautions:** Avoid exposure. Wear suitable protective clothing. Provide for sufficient ventilation.

**Environmental precautions:** Observe local bye-laws. Keep away from sewage treatment plants, inshore waters and earth.

**Methods for cleaning up:** Absorb with liquid binding material (diatomaceous earth) and dispose of according to regulations.

## 7. Handling and Storage

### 7.1 Handling:

Precautions for safe handling: Avoid contact of unpolymerised product with eyes, skin and clothing.

Precautions against fire and explosion: Take precautionary measures against static discharges. Keep away from sources of ignition – No smoking. Cool endangered containers with water, may form explosive mixtures with air. Do not breathe combustion gases.

### 7.2 Storage:

Conditions for storage rooms and vessels: Keep only in the original container in a cool, dry and well ventilated place, away from food stuffs. Keep container always tightly closed.

Advice for storage of incompatible materials: Keep away from oxidising agents, alkaline or acid substances.

Further information for storage: Keep at temperature of 10° C ± 2° C (50° F ± 3,6° F). Keep away from all kind of light. An inert gas blanket should not be applied, because the stability of the product depends on the presence of oxygen (air).

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## 8. Exposure Controls / Personal Protection

**8.1 Additional advice on system design:** Provide for sufficient ventilation / suction system.

**8.2 Ingredients with occupational exposure limits to be monitored:**

CAS-No. 80-62-6, Methylmethacrylate 210 mg/m<sup>3</sup> = 50 ppm

**8.3 Personal protection equipment**

**General protection and hygiene measures:** Avoid contact with eyes and skin. Take off immediately all contaminated clothing. Avoid breathing airborne droplets. Observe industrial hygiene measures.

**Respiratory protection (filter A):** Necessary in case of insufficient ventilation, liberation of vapours due to overheating.

**Hand and skin protection:** Protective gloves of polyethylene or polypropylene.

**Eye protection:** Protective glasses.

**Hygiene measures:** ---

## 9. Physical and Chemical Properties

**9.1 Appearance:**

**Form:** liquid  
**Colour:** slightly yellowish  
**Odour:** faintly like esters

**9.2 Data relevant for safety**

**Method (67/548/EC)**

<b>pH-value:</b>	n. a.	
<b>Changes in physical state:</b>	---	
<b>Decomposition temperature:</b>	---	
<b>Flash point:</b>	approx. 57° C (135° F)	DIN 51755
<b>Ignition temperature:</b>	n. a. e	DIN 51794
<b>Explosion properties:</b>	n. a.	
<b>Vapour pressure:</b>	approx. 40 hPa at 20° C (68° F) - approx. 16 kPa at 50° C (122° F)	
<b>Viscosity:</b>	---	
<b>Density:</b>	approx. 1.1 g/cm <sup>3</sup> at 20° C (68° F)	DIN 51757

**9.3 Further information**

**Solubility in water:** sparingly soluble  
**Solubility in organic solvent:** ---

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## 10. Stability and Reactivity

**General information:** If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**Thermal decomposition:**  $\geq 100^{\circ}\text{C}$  ( $212^{\circ}\text{F}$ )

**Conditions to avoid:** Ultra-violet light and daylight initiate polymerisation of the product. Therefore keep only in tightly closed containers away from any sources of light. Keep in a cool place ( $10^{\circ}\text{C} \pm 2^{\circ}\text{C}$  ( $50^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ )).

**Materials to avoid:** Reducing agents, free-radical producing initiators, heavy metal ions.

**Hazardous decomposition:** None, if handled in appropriate manner. In case of fire acrid acrylic fumes could occur.

## 11. Toxicological Information

**General information:** Larger amounts of the product may irritate the mucous membranes. The product is able to be absorbed through the skin inducing oppression, headache and vomiting. After prolonged inhalation a toxic pulmonary oedema may occur. In persons bearing a special disposition, the product may cause sensitisation by skin contact.

**Acute oral toxicity (LD<sub>50</sub>):** species rat 7872 mg/kg, species mouse 5204 mg/kg, origin: literature

These data refer to the ingredient methyl methacrylate.

**Acute cutaneous toxicity (LC<sub>50</sub>):** species rabbit > 5000 mg/kg, origin: literature

These data refer to the ingredient methyl methacrylate.

**Irritation of skin:** ---

**Irritation of eye:** ---

**Specific effects:** ---

**Additional information:** ---

## 12. Ecological Information

**12.1 Data on elimination (persistence and degradability):** No data known.

**12.2 Behaviour in environmental compartments:** No data known.

**Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):** Do not introduce into purification plants.

**12.3. Ecotoxicological effects:**

**12.4 Further information / ecology:** Do not lead into waste water. Do not introduce into in-shore waters and earth.

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### 13. Disposal Considerations

**Waste code No.:** 07 02 13 (AVV)

**Material:**

Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Observe local bye-laws.

**Contaminated packaging:**

Recommendation: Fully empty containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national bye-laws.

### 14. Transport Information

#### 14.1 Regulations for land (ADR/RID/GGVS/GGVE)

**ADR/RID-GGVS/E class:** 3 cl.-code F1

**Transportation emergency card no.:** 3

**Hazard-No.:** 30

**Substance-No.:** 1866

**Nomenclature:** Resin solution, flammable

**Further information:** contains methyl methacrylate

**LQ land:** 5 L

#### 14.2 Regulations for inland waterways (ADN/ADNR)

**ADR/ADNR class:** ---

**No./letter:** ---

**category:** ---

#### 14.3 Regulations for sea (IMDG/GGV See)

**IMDG/GGVSea-class:** 3

**Label:** 3

**Un-No.:** 1866

**PG:** III

**Marine pollutant:** mp

**Technical name:** Resin solution, flammable

**Proper ship. name:** contains methyl methacrylate

**LQ sea:** 5 L

#### 14.4 Regulations for air (ICAO/IATA)

**ICAO/IATA-class:** 3

**UN-No.:** 1866

**PG:** III

**Page:** ---

**Technical name:** Resin solution, flammable

**Proper ship. name:** Contains methyl methacrylate

**Airmail transportation:** not permitted

#### 14.5 Transport / further information: --

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## 15. Regulatory Information

### 15.1 Labelling according to EC-regulations:

**Labelling:** Xi

**Symbols and hazard classification:** flammable, irritating. Contains methyl methacrylate

**EEC/R:** 10-37/38-43 Flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

**EEC/S:** 24-37-46 Avoid contact with skin. Wear suitable gloves. If swallowed, seek medical advice immediately and show the label or the safety data sheet.

### Special labelling for certain preparations:

#### 15.2 National regulations (German)

Restriction of occupation: ---

Classification according to VbF: A II

Water hazard class (German only): 1

### 15.3 Other regulations, restrictions and prohibition regulations

## 16. Other information

n. a. = not applicable

n. s. = not subject to

These data are given here according to our current knowledge on experience. The data does not signify any warranty with regard to the product's properties.