

Product Name: Fricotherm powder

Article No.: 33200, 33201, 33202

Print Date: 17 November 2003

last alteration: 2002-03-20

1. Chemical Product and Company Identification

1.1 Product name: Fricotherm powder

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): Plasticized Poly Methyl Methacrylate

2.2 Hazardous ingredients:

CAS-No.	Designation	TLV	PEL
n. a.	Particulates, noc < 99 %	10 mg/m ³	15 mg/m ³
000084-74-2	Dialkyl Phthalate < 5 %	5 mg/m ³	5 mg/m ³
n. a.	Residual Monomer < 1 %	n. a.	n. a.

(TLV = Threshold Limit Value) (PEL = Permissible Exposure Limit)

2.3 Additional advice:

3. Possible Hazards

Critical hazards to man and environment: Primary routes of entry: For polymer: Eyes or skin (no absorption) inhalation of dusts. Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA or ACIGH as carcinogenics. Effects of over exposure: For polymer: OSHA classifies this material as particulates, not otherwise classified. Eyes, skin, respiratory tract may be irritated by gross overexposure to particulates, not otherwise classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

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4. First-Aid Measures

General information:

After inhalation: Remove to fresh air. Seek medical advice if discomfort persists.

After skin contact: Wash thoroughly with soap and water. Seek medical advice if discomfort persists.

After eye contact: Flush immediately with plenty of water for 10 – 15 minutes, including under eyelids. Seek medical advice if discomfort persists.

After swallowing: Rinse mouth with water. Call doctor if amount was large.

Advice to doctor:

5. Fire-Fighting Measures

Suitable extinguishing material: dry chemical, water, carbon dioxide

Extinguishing material which must not be used for safety reasons:

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard and possible explosion hazard if exposed to ignition source. Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approx. those of coal dust.

Special protective equipment for fire fighting: Firefighters wear self-contained breathing apparatus.

Additional information:

6. Accidental Release Measures

Personal precautions:

Environmental precautions: observe local bye-laws

Methods for cleaning up: Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

Further information: Keep away from sources of ignition.

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7. Handling and Storage

7.1 Handling:

Precautions for safe handling: Material should, wherever possible, be conveyed in closed system.

Precautions against fire and explosion:

7.2 Storage:

Conditions for storage rooms and vessels:

Advice for storage of incompatible materials:

Further information for storage: Store in a cool dry place. Keep container tightly closed to prevent water absorption and contamination. Keep away from heat sources. No noxious fumes are released at normal room temperatures.

8. Exposure Controls / Personal Protection

8.1 Additional advice on system design:

8.2 Ingredients with occupational exposure limits to be monitored:

8.3 Personal protection equipment

General protection and hygiene measures: Avoid contact with eyes.

Respiratory protection: Particulates type if needed.

Hand and skin protection: Protective gloves if hot material in handled

Eye protection: Goggles or safety glasses are recommended.

Hygiene measures:

9. Physical and Chemical Properties

9.1 Appearance:

Form: fine powder
Colour: white
Odour: faint odour in bulk

9.2 Data relevant for safety

Method

pH-value:	n. a.
Changes in physical state:	n. a.
Decomposition temperature:	
Flash point:	304° C (579,2° F)
Ignition temperature:	
Explosion properties:	
Vapour pressure:	n. a.
Viscosity:	
Density:	

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9.3 Further information

Solubility in water: insoluble

Solubility in organic solvent:

10. Stability and Reactivity

General information:

Thermal decomposition:

Conditions to avoid: Heating above 300° C (572° F).

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition: Methacrylate monomer and Oxides of Carbon.

11. Toxicological Information

Acute oral toxicity:

Irritation of skin:

Irritation of eye:

Specific effects:

Additional information: Material is regarded as biological inert, but additive (dialkyl phthalate) may be dangerous to health if ingested or inhaled. For this reason, consumption of food and drink in working areas should be discouraged. Direct contact with material does not normally lead to skin irritation. However, it is wise to take the usual precautionary measures of obtaining medical clearance for any employees who have a history of skin disease or allergy.

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):

12.3. Ecotoxicological effects:

12.4 Further information / ecology: Material is not biodegradable and not soluble in water.

13. Disposal Considerations

Waste code No.:

Material:

Recommendation: Material may be disposed of at approved landfill or incinerated under approved conditions in compliance with local regulations.

Contaminated packaging:

Recommendation: Fully empty containers (no tear drops, no powder rest, scraped carefully). Observe local/national bye-laws.

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14. Transport Information

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

ADR/RID-GGVS/E class: No./letter:

Express: permitted

14.2 Regulations for inland waterways (ADN/ADNR)

ADR/ADNR class: No./letter: category:

14.3 Regulations for sea (IMDG/GGV See)

IMDG/GGVSee-class:

EmS: MFAG:

Marine pollutant:

14.4 Regulations for air (ICAO/IATA)

ICAO/IATA-class:

UN-number: Proper name:

Air mail transportation: permitted

14.5 Transport / further information: Non-hazardous material

15. Regulatory Information

15.1 Labelling according to EC-regulations: none

Labelling:

Symbols and hazard classification:

EEC/R:

EEC/S:

Special labelling for certain preparations:

15.2 National regulations (German)

Restriction of occupation:

TA-Luft/classification, compound, remarks:

Water hazard class (German only):

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.