

Product Name: Varioflex-Polymer (powder)

Article No.: 34100

Print Date: 18 November 2003

last alteration: 2002-03-20

## 1. Chemical Product and Company Identification

1.1 Product name: Varioflex-Polymer (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): Polyethylmethacrylate (CAS-No. 9003-42-3)

2.2 Hazardous ingredients: CAS-No.: 0094-36-0 Benzoylperoxide < 1 %

2.3 Additional advice:

## 3. Possible Hazards

Critical hazards to man and environment: No inhalation. If used according to instructions no risk to health of person.

## 4. First-Aid Measures

General information: If respiratory irritation is experienced, seek medical advice.

After inhalation: Remove to fresh air.

After skin contact: Wash thoroughly with soap and water.

After eye contact: Flush immediately with plenty of water. Seek medical advice if discomfort persists.

After swallowing: Give large amount of water.

Advice to doctor:

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## 5. Fire-Fighting Measures

**Suitable extinguishing material:** extinguishing powder, water fog, carbon dioxide

**Extinguishing material which must not be used for safety reasons:** do not use water stream

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

**Special protective equipment for fire fighting:**

**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.

## 7. Handling and Storage

### 7.1 Handling:

Precautions for safe handling: Usual hygienic measures are necessary. When using don't eat, drink or smoke. Only adequately trained personnel should handle this product. Keep out of reach of children. Avoid dust build-up.

Precautions against fire and explosion: Dust in air may be explosive.

### 7.2 Storage:

Conditions for storage rooms and vessels: Store in cool, dry and well ventilated place. Keep away from sources of ignition.

Advice for storage of incompatible materials:

Further information for storage: Avoid exposure to direct sunlight. Don't storage at temperature above 25° C (77° F).

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## 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:** Usual hygienic measures by handling chemicals is necessary. No smoking. Avoid contact with eyes.

**Respiratory protection:** Only required pouring large amounts without exhaustion.

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

**Eye protection:** Goggles or safety glasses.

**Hygiene measures:**

## 9. Physical and Chemical Properties

### 9.1 Appearance:

**Form:** fine powder

**Colour:** white

**Odour:** slight

### 9.2 Data relevant for safety

#### Method

**pH-value:** not determined

**Changes in physical state:**

**Decomposition temperature:**

**Flash point:** > 250° C (482° F)

**Ignition temperature:** > 400° C (752° F)

**Explosion properties:** not determined

**Vapour pressure:** n. a.

**Viscosity:**

**Density:** 1.25 g/cm<sup>3</sup> at 20° C (68° F)

### 9.3 Further information

**Solubility in water:** insoluble

**Solubility in organic solvent:**

## 10. Stability and Reactivity

**General information:**

**Thermal decomposition:** > 250° C (482° F)

**Conditions to avoid:**

**Materials to avoid:**

**Hazardous decomposition:** None, if used in accordance to instructions. Product may decompose at elevated temperatures generating vapours which could be irritating.

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## 11. Toxicological Information

**Acute oral toxicity:** species rat > 10000 mg/kg, Polyethylmethacrylat

**Acute oral toxicity:** species rat > 7710 mg/kg, Benzoylperoxid

**Additional information:** Dust may irritate eyes.

## 12. Ecological Information

**12.1 Data on elimination (persistence and degradability):** Material is not biodegradable

**12.2 Behaviour in environmental compartments:** No ecological problems to be anticipated of properly handled and used.

**Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):**

**12.3. Ecotoxicological effects:**

**12.4 Further information / ecology:** Insoluble.

## 13. Disposal Considerations

**Waste code No.:** 55316

### 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.

## 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

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## 15. Regulatory Information

### 15.1 Labelling according to EC-regulations:

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.