

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Polytherm

Use of the substance/preparation

Care for waterproof floor coverings

Company/undertaking identification

Otto Oehme GmbH, Industriestr. 20, D -90584 Allersberg
 Telephone ++49 (0)9176/9805-0, Fax ++49 (0)9176/9805-55

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

Emergency telephone

Advisory office in case of poisoning:

Tel.:

Telephone number of the company in case of emergencies:

Tel. ++49 (0)9176/9805-0

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.

Preparation is not classified as hazardous in the sense of directive 1999/45/EC.

To the environment

See point 12.

REGULATION (EC) No 648/2004

n.a.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | | | |
|---------------|----------------------------|-----------|----------------|
| content % | Symbol | R-phrases | EINECS, ELINCS |
| | Registration number (ECHA) | | |

| | | | |
|---------------------------|----|----|-----------|
| 2-(2-Ethoxyethoxy)ethanol | | | |
| 1 -< 10 | Xi | 36 | 203-919-7 |

| Chemical name | | | |
|---------------|----------------------------|-----------|----------------|
| content % | Symbol | R-phrases | EINECS, ELINCS |
| | Registration number (ECHA) | | |

| | | | |
|---------------------------|----|----|-----------|
| 2-(2-butoxyethoxy)ethanol | | | |
| 1 -< 10 | Xi | 36 | 203-961-6 |

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.

4.2 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.4 Ingestion

Rinse the mouth thoroughly with water.
Do not induce vomiting. Consult doctor immediately.

4.5 Special resources necessary for first aid

n.c.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Adapt to the nature and extent of fire.

5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

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

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply.

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

Avoid contact with eyes.

Danger - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Wash hands before breaks and at end of work.

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Special storage conditions:

See point 10
 Protect from frost.
 Protect from direct sunlight and warming.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

| GB | Chemical Name | 2-(2-butoxyethoxy)ethanol | Content %:1 -< 10 |
|----|--|--|-------------------|
| | WEL-TWA: 10 ppm (67,5 mg/m3) (WEL, EC) | WEL-STEL: 15 ppm (101,2 mg/m3) (WEL, EC) | --- |
| | BMGV: --- | Other information: --- | |

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.
 General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Respiratory protection: Normally not necessary.
 Hand protection:
 If applicable
 Rubber gloves (EN 374).
 Eye protection:
 With danger of contact with eyes.
 Tight fitting protective goggles with side protection (EN 166).
 Skin protection: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.
 Selection made for preparations according to the best available knowledge and information on the ingredients.
 Selection of materials derived from glove manufacturer's indications.
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
 In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.2 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

| | |
|-----------------|----------|
| Physical state: | Liquid |
| Colour: | White |
| Odour: | Perfumed |

9.2. Important health, safety and environmental information

| | |
|-----------------------------------|---------------|
| pH-value undiluted: | 8 - 9 |
| Boiling point/boiling range (°C): | Not specified |
| Melting point/melting range (°C): | Not detected |
| Flash point (°C): | n.a. |

| | |
|---------------------------|--------------|
| Autoflammability: | No |
| Product is not explosive. | |
| Density (g/ml): | Not detected |
| Water solubility: | Mixable |

10. STABILITY AND REACTIVITY

Conditions to avoid

See point 7
 Stable when handled and stored correctly.

Materials to avoid

See point 7

Hazardous decomposition products

See point 5.3
 No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity and immediate effects

| | |
|--|-------|
| Ingestion, LD50 rat oral (mg/kg): | n.av. |
| Inhalation, LC50 rat inhal.(mg/l/4h): | n.av. |
| Skin contact, LD50 rat dermal (mg/kg): | n.av. |
| Eye contact: | n.av. |

Delayed and chronic effects

| | |
|------------------------|--------|
| Sensitization: | k.D.v. |
| Carcinogenicity: | k.D.v. |
| Mutagenicity: | k.D.v. |
| Reproductive toxicity: | k.D.v. |
| Narcosis: | k.D.v. |

Further information

No classification according to calculation procedure.

12. ECOLOGICAL INFORMATION

Persistence and degradability:

90%/28d *
 < 60%/28d OECD 301C **

* 2-(2-Ethoxyethoxy)ethanol

** 2-(2-butoxyethoxy)ethanol

Behaviour in sewage plants:

Problems not expected when used correctly.

| | |
|---------------------------|-------|
| Aquatic toxicity: | n.av. |
| Ecological toxicity: | n.av. |
| Mobility: | n.av. |
| Accumulation: | n.av. |
| Results of PBT assessment | |
| n.av. | |
| Other adverse effects: | n.av. |

13. DISPOSAL CONSIDERATIONS

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 02 01 aqueous washing liquids and mother liquors

Recommendation:

Pay attention to local and national official regulations

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

13.2 for contaminated packing material

See point 13.1
 Pay attention to local and national official regulations
 Empty container completely.
 Untamated packaging can be recycled.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. TRANSPORT INFORMATION

General statements

UN-Number: n.a.

Road/Rail-transport (ADR/RID)

Class/packing group: n.a.

Classification code: n.a.

LQ: n.a.

Tunnel restriction code:

Transport by sea

IMDG-code: n.a. (class/packing group)

Marine Pollutant: n.a.

Transport by air

IATA: n.a. (class/secondary danger/packing group)

Additional information:

Non-dangerous material according to Transport Regulations.

15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: Not applicable

Indications of danger:

R-phrases:

S-phrases:

Additions:

Safety data sheet available for professional user on request.

Observe restrictions: n.a.

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany): 10/12

Revised points: 1 - 16 (REACH)

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).
 36 Irritating to eyes.

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, +49 1805-CHEMICAL / +49 180 52 43 642, Fax: +49 5233 94 17 90, +49 180 50 50 455

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.