

## **1. Substance / Product identification:**

**Product identification:** Mareflex MF40 Pipe Repair Kit.

**Product type:** Water activated bandage.

**Recommended use:** Used for emergency repairing leaking pipes.

## **Contact details of the supplier of the safety data sheet:**

Mareflex GmbH  
Peutestrasse 53C / 108A  
20539 Hamburg  
Germany

Tel.: +49 40 210 918 890  
Email: [mareflex@mareflex.com](mailto:mareflex@mareflex.com)

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## **2. Hazards identification**

### **I. Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**

#### **Hazard Statements:**

- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### **Prevention Precautionary Statements:**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### **Label Elements**

**Labeling according to the Regulation (EC) No 1272/2008 (CLP)**

#### **Pictogram**



### 3. Composition/Information on ingredients

Chemical name	CAS no.	Wight (%)
Polyurethane resin which contains the Isocyanates	25686-28-6	45 – 53%
Fiberglass	65997-17-3	47 – 55%

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### 4. First Aid Measures

#### General information

If some of the symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. If affected person is unconscious place him in recovery position and seek medical advice.

#### Inhalation

Move affected person to fresh air. Keep at rest until recovered. Work in a well ventilated place. If breathing is irregular administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

#### Eye contact

Flush the eyes continuously with running water for several minutes. Do not rub eyes. Keep the eyelids open. Get medical attention immediately.

#### Skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser. In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of skin. Wash contaminated clothing before reuse or discard. If symptoms develop seek medical attention.

#### Ingestion

If affected person is conscious wash out mouth with plenty of water . Do not induce vomiting. If symptoms persist seek medical attention.

#### Note to physician

Treat symptomatically and supportively.

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### 5. Firefighting Measures

#### Flammable properties

Combustible.

#### Extinguishing Media

Carbon dioxide, water spray, dry chemical or foam.

#### Special Fire Fighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Fight fire from safe location.

#### Special hazards

Product will burn if exposed to fire and produce dense black smoke. Exposure to decomposition products may cause a health hazard.

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## 6. Accidental Release Measures

### Emergency procedures

Remove all sources of ignition. Increase ventilation. Do not breathe gas/dust/vapour/spray. Wear protective equipment, protective gloves and respiratory protection to minimise exposure. Remove all sources of ignition. Increase ventilation. Do not breathe gas/dust/vapour/spray. Wear protective equipment, protective gloves and respiratory protection to minimise exposure. Do not allow undiluted product or large quantities reached ground water, water bodies or sewage system. Advise the environmental authorities if substance has entered a watercourse or sewer.

### Regulatory Requirements

Follow applicable international or local regulations.

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## 7. Handling and storage



### Handling

Avoid contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapours or fumes. Take appropriate precautions against inhalation of dust particles. Ensure good ventilation or exhaustion at the workplace. When using do not eat, drink, smoke or sniff. Use protective glasses and disposable gloves to avoid personal contact. Wash your hands thoroughly after handling.

### Storage

Store in original, labelled and tightly closed container in a cool and well-ventilated place. Keep away from sources of ignition, oxidising agents, from strongly alkaline and strongly acid materials. Do not store near fire or overheated place. Do not store near food or feed.

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## 8. Exposure Controls / Personal Protection



### Eye and face protection

Safety glasses with side shields designed to protect against splash of liquids or chemical goggles should be worn.

### Body protection

Suitable protective workwear is recommended.

### Hand protection

Wear disposable gloves of impervious material. Do not wear gloves near rotary machines and tools. Check leak tightness prior to use. Wear cotton under mitten if possible. Use gloves only once. Take recovery periods for skin regeneration.

**Respiratory protection**

Respiratory protection necessary at: exceeding exposure limit values. Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Examination of lung function should be carried out on a regular basis on persons spraying this product.

**General health and safety measures**

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Immediately remove any contaminated clothing, shoes or stockings.

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**9. Physical and Chemical Properties**

<b>General Information</b>	
<i>Odor</i>	Weak odor
<i>Colour</i>	White
<i>Appearance</i>	Knitted fabric coated with sticky resin
<i>Viscosity</i>	Not available
<i>Melting point / Melting range</i>	Not available
<i>Decompositions temperature</i>	Not available
<i>Boiling point</i>	Not available
<i>Flash Point</i>	>200°C
<i>Vapour pressure</i>	Not available
<i>Relative Density</i>	Not available
<i>Flammability</i>	Not flammable
<i>Solubility in Water</i>	React with water

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**10. Stability and Reactivity****Reactivity**

The product reacts with water.

**Conditions to avoid**

Avoid moisture or water before use. This will cause unwanted hardening.

**Incompatibility**

Avoid contact with amines and alcohols or strong oxidizing agents.

**Hazardous Decomposition Products**

Under fire conditions this product may emit toxic or irritating fumes.

**Hazardous reactions**

Polymerisation may occur during heating of the product for long period.

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**11. Toxicological Information****Toxicology information**

No data available for this material.

**Inhalation**

May cause sensitisation by inhalation. May cause asthmatic symptoms in hypersensitive persons.

**Eye contact**

May cause irritation to eyes. May produce an allergic reaction, redness, itching or tearing.

**Skin contact**

Harmful with contact with skin.. May produce an allergic skin reaction.

**Ingestion**

May cause irritation to the mouth, throat and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

**Sensitisation**

May develop skin sensitisation from prolonged and/or repeated contact.

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**12. Ecological Information**

**Ecotoxicity**

There are no data available for this material.

**Persistence and Degradability**

No data available.

**Mobility**

No data available.

**Bioaccumulative potential**

No data available.

**Environmental precautions**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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**13. Disposal Considerations**

**Waste disposal**

Disposal should be in accordance with local and National regulations via a licensed waste contractor.

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**14. Transport Information**

**Road Transportation (ADR/RID)**

No dangerous good in sense of these transport regulations.

**Air Transportation (IATA /ICAO)**

No dangerous good in sense of these transport regulations.

**Marine Transportation (IMO/IMDG)**

No dangerous good in sense of these transport regulations.

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**15. Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture.**

EU legislation.

**Other regulations (EU)**

**Information according to 2004/42/EC about limitation of emissions of volatile organic compounds**

**(VOC-guideline).**

Directive 2004/42/EC is not applicable.

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## **16. Other Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.