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HYDROZOL® HBM PRO (SBS-PE)
17.06.2015
18.06.2015

HYDROZOL® HBM PRO (SBS-PE)

hydro insulation membrane from SBS - Premium modified bitumen and reinforced with polyester, with high elasticity, flexibility and tensile strength in wide operating temperature range :
from – 25°C to +100°C

1. Product / Production and Corporate Title

1.1. Product name

HYDROZOL® HBM PRO (SBS-PE)

1.2. Scope of use:

HYDROZOL® HBM PRO (SBS-PE) is highly flexible hydro insulation membrane which provides secure and long lasting protection from water penetration. The product is made up by elastomeric polymers (SBS) high-quality bitumen content, which is layered on both sides with polyester. The SBS-Premium high modification of bitumen with elastomeric polymers provides excellent low-temperature flexibility. It also guarantees long-term durability (25 years) and resistance to aging at extreme operating temperature range (from -25°C to +100°C) without being influenced by frequent and abrupt change in ambient temperature.

1.3. Company:

Marisan and Kolev Ltd.
East Industrial Zone
15, Kalna Dere Str.
7009, Ruse, Bulgaria

Contact address:

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15, Kalna Dere Str.
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Tel.: +359-82-519721

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e-mail: office@marisanbg.com

1.4. In case of emergency:

Tel.: 112

Toxicology Clinic to Multi-profile Hospital for Active Treatment SA „N. I. Pirogov”

Tel.: + 359 2 9154 409 - in standard working hours

+ 359 2 9154 233 - interminable

2. Possible hazards

2.1. Classification of the substance or the mixture – mixture:

2.1.1. Classification in accordance with Directive 67/548 EU

The product is not classified

2.1.2. Classification in accordance with Regulation (EU) 1272/2008

The product is not classified

Classification system:

The product is not classified

2.2. Label elements

2.2.1. Labeling in accordance with Regulation (EU)1272/2008 (CLP)

Pictograms:

Hazard phrases:

Safety recommendations

2.2. Labeling in accordance with Directive 1999/45 (DPD)

Hazard symbols

Risk phrases

Safety Recommendations

2.3. Other hazard phrases

3. Composition / Information on Ingredients

3.1. Substances - not applicable

3.2. Mixture - not applicable

3.2.1. Common characteristic

The product is not classified as hazardous in accordance with Directive 1999/45 and Regulations 1272/2008.

4. First Aid Measures

General information

Pay attention when applying the product with torch.

When inhaled:

The product is unlikely to cause harm by inhalation in its current state. However, when heat is used to apply the product toxic vapours may be emitted. Immediately move the victim to fresh air. Control the action of respiratory tracts. If the victim is not breathing, start artificial respiration and inhale oxygen. Seek medical help immediately.

In case of skin contact:

The product is unlikely to cause harm in its current state. However, upon heating during application toxic vapours may be emitted which may cause skin irritation. Wash affected area with soap and water. If the symptoms develop seek medical help.

If molten material adheres to skin do not attempt to remove or heal with cream. Cool down with cold water for around 10 minutes, wrap loosely with bandage and seek medical help immediately.

In case of eye contact:

In its current state the product may contact the eye by a small particle: rinse with plenty of water with open eyelids for at least 15 minutes. If irritation continues seek medical advice.

In case of contact with hot material, flood eye with copious quantities of cold water for 15 minutes and immediately seek medical help. Do not try to remove the adhered parts from the eye. Cover the burn area with sterile dressing if available.

When swallowed:

Seek medical help immediately. Rinse mouth thoroughly with water.

Note to the Medics:

Treat the symptoms.

5. Fire-Fighting Measures

5.1. Extinguishing agents

Suitable extinguishing agents:

Dry chemical powder, alkali resistant foam, carbon dioxide, water

Unsuitable extinguishing means because of security considerations:

5.2. Special hazards arising from substance or mixture

When applying the bituminous membranes dense black smoke is released.

5.3. Advice for firefighters

Carry individual respiratory apparatus with pressured air and protective firefighting clothing (firefighting helmet, jacket, trousers, shoes and gloves).

5.4. Supplementary information:

Residues of fire and water contaminated from fire extinguishing should be removed in compliance with the local provisions.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures:

Take into consideration the precautions indicated in items 7 and 8.

6.2. Precautions for environmental protection:

Special precautions are not necessary.

6.3. Methods and materials for limitation and cleaning up:

Special precautions are not necessary. The remainders are collected in a specialized place.

7. Work and Storage

7.1. Precautions for safe handling

Customary personal hygiene measures such as washing hands after working with the product are recommended.

7.2. Conditions for safe storage, including any incompatibilities:**Requirements to the storage premises and depositories:**

Store in dry premises with temperature up to 25°C without direct sunlight. Keep away from open fire and heating sources.

The storage places should be equipped in accordance with the local requirements for flammable materials.

Instructions for storage along with other materials

Do not store together with food or drinks.

Other data about the storage conditions:

Keep away from direct sun light and heating sources.

7.3. Specific and end-use

The product has no other uses than those specified on the label and product data sheet.

8. Exposure Controls and Personal Protective equipment**8.1 Parameters and control**

Not defined.

8.2. Exposure control

In accordance with Directive 1999/45 (DPD) and Regulation 1272/2008 (CLP) the product is not classified as hazardous and limits of the exposure are not defined.

Technical control means:

Not required.

8.3. Individual protection measures, such as personal protective equipment:**General protective and hygienic measures:**

Comply with the usual precautions for work with torch. Do not eat, drink or smoke during working time. After completion of work and prior to resting, wash hands with water and soap.

Respiratory protection: Normal ventilation is sufficient.

Skin protection: Use protective gloves from a material that is resistant to the product.

Eye protection: In accordance with EN 166 the use of tight-fitting chemical resistant safety goggles is recommended.

Body protection: Use suitable precaution measurements: apron, leather shoes, goggles, gloves!

9. Physical and Chemical Properties**9.1. Information about the physical and Chemical Properties**

Appearance: bitumen hydro insulation rolls

| | |
|--|---|
| Color: | in accordance with the product labeling |
| Odor: | typical for bitumen |
| Freezing interval / point: | Not applicable |
| Interval / Temperature of melting: | Not applicable |
| Interval / Temperature of boiling: | around 470°C (for the bitumen) |
| Flashing point: | > 230°C (for the bitumen) |
| Auto ignition point | > 485°C (for the bitumen) |
| Temperature of inflammability and explosion: | |
| Lower limit | Not applicable |
| Upper limit | Not applicable |
| Density, 20°C: | Not applicable |
| pH: | Not applicable |
| Solubility: | The product is not soluble in water in its current state. |

10. Stability and Reactivity

10.1. Reactivity

Not known when the products is used properly.

10.2. Chemical stability:

The product is stable under normal conditions of work and storage.

10.3. Possibility of hazardous reactions

When hot applying of the product, toxic fumes may be emitted.

10.4. Conditions to avoid:

Use and store away from sources of heat and fire.

10.5. Incompatible materials

Unknown.

10.6 Hazardous products of decomposition

Bitumen vapours and dense black smoke may be emitted when heating.

11. Toxicological Information

11.1. Information on toxicological effects

Not expected.

11.2. Information on possible ways of exposure

When swallowed:

Unlikely route of exposure. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

After contact with the skin:

More continuous and intense contact with the skin may cause irritation. When molten the bitumen adheres to the skin and it could cause burns.

After inhalation:

Inhalation of high concentrations of vapours when hot applying the product may cause dizziness, headache, vomiting.

After contact with the eyes:

It may cause slight temporary irritation of the eyes and blurred vision.

Other data:

There is no data about any mutagenic influence.

There is no data about any carcinogenic effect.

There is no data about any fertility harm effect.

11.3. Supplementary information:

12. Ecological Information

12.1. Toxicity

Not expected.

12.2. Resistance and degradability

Not expected.

12.3. Bio-accumulating ability

No data.

12.4. Mobility

Soil: Not expected.

Water: Not expected.

Air: Not expected.

13. Disposal Considerations

13.1. Methods for treatment of the waste

The procedures for elimination and destruction should correspond to all the local and national laws and provisions.

The product should not be disposed together with domestic wastes.

No material or spills or water from the cleaning of the product should be allowed in sewerage or open water reservoirs.

13.2. Packaging wastes:

14. Transport Information

14.1. Land transportation ADR / RID:

Not classified

14.2. Sea transport IMDG / GGVSee:

Not classified

14.3. Air transport ICAO / IATA:

Not classified

15. Regulatory Information

15.1. Specific for the substance or mixture / legislation on safety, health and environment:

- The product does not contain information about the ozone layer according Reglament/EO/2073/2007
- The product does not contain substances, persistent organic pollutants under Reglament/EO/850/2004
- According EO/67/548 the product does not require labeling for dangerous products.

15.2. Assess the safety of the substance or mixture:

There are no estimates available.

16. Other Information

16.1 Statements indicated in Chapter 3

16.2 Sources of information

-Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18.12.2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and the relevant international rules for transport

- Regulation (EC) No. 1272/2008 on classification, packaging and labeling of dangerous substances and mixtures

- Regulation (EC) 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18.12.2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) .7

- Regulation (EC) 67/548 relating to the classification, packaging and labeling of dangerous substances and mixtures

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- Law on protection from the harmful effects of chemicals / SG 95 of 24.11.2006
- Ordinance on the manner of classification, packaging and labeling of chemical substances and mixtures
- Ordinance № 13 on the protection of workers from risks related to exposure to chemical agents at work
- Ordinance № 14 on the norms of permissible concentrations of harmful substances in the atmospheric air of the settlements
- European Agreement concerning the international carriage of dangerous goods ADR
- Regulations concerning the International Carriage of Dangerous Goods RID

The data in this Safety Data Sheet are based on the current state of our knowledge and satisfy the national legislation and the legislation of the EU. The specific conditions of work of the relevant user, however, are beyond our knowledge and control. The user shall be obligated under his own responsibility to conform to the relevant existing legal norms and provisions. The data in this Safety Data Sheet describe the requirements for security and do not constitute any guarantee for the properties of the product.

