

POLYETHYLENE BACKING ROD

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

1.1. Product Name/Identifier

POLYETHYLENE BACKING ROD

1.2. Relevant identified uses of the substance or mixture and uses advised against

Joint filling.

1.3. Details of the supplier of the safety data sheet

Premier Sealant Systems Ltd.
Mercia Way,
Foxhills Industrial Park,
Scunthorpe,
North Lincolnshire,
DN15 8RE
Tel. 01724 864 100

1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Polyethylene foam.

2.2. Label elements

Hazard statements:

Not applicable.

Precautionary statements:

Not applicable.

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Supplemental label information

Not applicable.

2.3. Other hazards

Low danger of inflammation. Given that it is an organic substance, the material may burn only after heating to temperatures equal to or above its combustion point. Decomposition gases are formed (see Section 10: Stability and reactivity). The foam may accumulate electrostatic charges which may produce electric shocks.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Polyethylene foam.

Other information:

Not applicable.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or if symptoms persist, seek medical attention and show this SDS. Never give anything by mouth to an unconscious person.

Inhalation: This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

Ingestion: Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

Skin contact: This product is not classified as hazardous when in contact with the skin. However, In the case of burns caused by contact with melted material, cool with water but do not try to remove said material. Seek medical attention.

Eye contact: This product is an inert solid. If it enters the eyes, remove like any other foreign object.

4.2. Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in sections 2 and 11.

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Notes for the doctor

Not applicable.

Specific treatments

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Sprinkle with water to cool surfaces exposed to fire and protect persons. Prevent the addition of fuel to the fire. Extinguish the fire with foam, extinguisher powder, CO₂ or sprayed water.

Unsuitable extinguishing media

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Apart from smoke, in certain cases, carbon monoxide and hydrocarbons may be produced.

5.3. Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit). Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves).

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Not applicable.

For emergency responders:

Not applicable.

6.2. Environmental precautions

Avoid to release to environment.

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Methods and material for containment and cleaning up

Not applicable.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions

A.- General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions:

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene:

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks:

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

Aspirate with sufficient intensity any inhalable dust that may be produced in the course of machining as the result of the dislodgement of shavings. Risk of electrostatic discharge, with proper earthing thus being required.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

In ventilated areas. Ambient temperature.

Storage class

Not classified.

7.3. Specific end use(s)

Field of application of the product is described in Technical data sheet (TDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

In general, this type of product is not subject to compulsory characterizations due to its potential hazards.

8.2. Exposure controls

Appropriate engineering controls

Appropriate ventilation and eyewash station recommended.

Eye/face protection

Glasses are recommended.

Hand protection

Not applicable, however, consider depending on the task performed.

Other skin and body protection

Not applicable, however, consider depending on the task performed.

Respiratory protection

The use of protection equipment will be necessary if a dusts forms.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Solid foam
Colour	Grey and others
Odour	Odourless
Odour threshold	Not available
pH	Not available
Melting point	>110 °C
Initial boiling point and range	Not available
Flash point	360 °C
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available

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Vapour pressure at 20 °C	No information available
Vapour pressure at 50 °C	No information available
Vapour density	No information available
Density	23 +/-5 kg/m ³
Relative density	No information available
Solubility(ies)	Not soluble in water
Partition coefficient	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2. Chemical stability

Chemically stable under the indicated conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Temperatures above 250 °C may cause decomposition of the material. Contact with sources of ignition and/or heat may cause explosions.

10.5. Incompatible materials

Avoid contact with strong acids, oxidising materials, alkalis and strong basis.

10.6. Hazardous decomposition products

Trace hydrocarbons (gas).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available. In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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Acute toxicity (Acute oral toxicity)

LD 50 > 2000 mg/kg rat.

Acute toxicity (Acute dermal toxicity)

Based on available data, the classification criteria are not met. However, exposure to hot material may cause burns.

Acute toxicity (Acute inhalation toxicity)

Based on available data, the classification criteria are not met. However, gases forming at high temperatures may be irritating to the eyes and respiratory tract.

Skin Corrosion/Irritation

Based on available data, the classification criteria are not met.

Serious Eye Damage/Irritation

Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitisation

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

Carcinogenicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned.

Reproductive Toxicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure.

Aspiration Hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is recyclable, biologically non-degradable, degrades slowly by UV action and contains no lead, mercury, cadmium or chrome in its composition.

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.1. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria.

12.2. Other adverse effects

Not described.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988.

Disposal methods

Dispose of in accordance with local regulations. The proper means of disposal of this product are: incineration in appropriate systems with energy recovery, elimination in landfill facilities or recycling methods.

13.2. Waste class

Not available.

14. TRANSPORT INFORMATION

14.1. Classification for ROAD and Rail transport (ADR/RID)

Non-applicable.

14.2. Transport by sea GGVSee/IMDG-Code

Non-applicable.

14.3. Air Transport ICAO-TI/IATA-DGR

Non-applicable.

15. REGULATORY INFORMATION

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

According to EEC Directives, this product does not require specific classification or labelling.

The Control of Major Accident Hazards Regulations 2015:

Non-applicable.

Other legislation

Non-applicable.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

16. OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Key literature references and sources for data

Source: European Chemicals Agency, <http://echa.europa.eu/> SDS from supplier.

Revision comments

Revision date

08/08/2024

Revision

1

Supersedes date

Not applicable

SDS status

Approved.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.