

Safety Data Sheet

Section 1. Identification

GHS product Identifier : PolyPhen™ Foam Insulation
Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against

Used as thermal insulation.

Supplier's details Polyguard Products, Inc
4101 South Interstate 45
Ennis, TX 75119
Tel: (214) 515-5000

**Emergency telephone number)
with hours of operation)** CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
(24/7)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200) , this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Article

GHS label elements

Signal word : No signal word

Hazard statement : No known significant effects or critical hazards.

Precautionary statements

Prevention : Review installation instructions prior to use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves if required. Wear eye and face protection.

Response : **If in Eyes:** Flush eyes with water for at least 15 minutes. If inflammation or blurred vision develops, seek medical attention. **If on skin:** Wipe material from skin. Wash with soap and water. Clean contaminated clothing before reuse. **If inhalation** Contact a physician if coughing, discomfort, or air passage obstruction occurs due to the inhalation of foam dust. If breathing difficulties, dizziness or light headaches occur while working in dusty areas, victim should seek air free of dust. If breathing stops, begin artificial respiration and seek immediate medical attention. **If ingested:** Wash out mouth with water for at least 15 minutes. Do not induce vomiting. Seek immediate medical advice and/or attention.

Storage : Store in accordance with local regulations. Store away from sunlight and in a dry cool and well ventilated area.

Disposal : Dispose of this product in accordance with local, regional, state and national regulations.

Hazards not otherwise classified : None known

Section 3. Composition/Information on Ingredients

- Substance/Mixture** : 100 % completely reacted crosslinked cellular foam product.
Other means of identification : Not available
CAS number/other identifiers
CAS number : 78-78-4
Product code : Not applicable
Occupational exposure limits, if available are listed in section 8.

Section 4. First Aid Measures

Description of necessary first aid measures.

- Eye contact** : Flush eyes with water for at least 15 minutes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If inflammation or blurred vision develops, seek medical attention.
- Inhalation** : Contact a physician if coughing, discomfort, or air passage obstruction occurs due to the inhalation of foam dust. If breathing difficulties, dizziness or light headaches occur while working in dusty areas, victim should seek air free of dust. If breathing stops, begin artificial respiration and seek immediate medical attention.
- Skin contact** : Wipe material from skin. Wash with soap and water. Clean contaminated clothing before reuse.
- Ingestion** : Wash out mouth with water for at least 15 minutes. Do not induce vomiting. Seek immediate medical advice and/or attention.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Fine particles may cause slight mechanical irritation.
Inhalation : Fine particles may produce airway irritation.
Skin contact : Prolonged contact with particles may produce harmless mild irritation.
Ingestion : No effect anticipated.

Potential chronic health effects

- Inhalation** : Fine particles may produce airway irritation. Animal studies indicate that chronic inhalation of expanded Bakelite dust is comparable with any other type of dust.
- Skin contact** : Prolonged contact with particles may produce harmless mild irritation.

Indication of immediate medical attention and special treatment needed, if necessary.

- Notes to physician:** : No specific treatment. Treat symptomatically.
Specific treatments : No specific treatment
Protection of first-aiders: : No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media : Use foam, water, CO₂, or dry chemical.

Unsuitable extinguishing media : None known

Specific hazards arising from the chemical : Use water spray to drench smoldering foam. Avoid breathing smoke, fumes, and decomposition products.

Hazardous thermal decomposition products : Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, and traces of other organic compounds.

Special protective equipment : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Special actions : Evacuate non-emergency personnel to a safe area.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures.

For non emergency personal : No special measures required.

For emergency responders : No special measures required.

Environmental precautions : Not applicable

Methods and materials for containment and cleaning up

Spill : Material is a solid material. Pick-up and handle the in same manner as other inert solids. Expanded foam will float in water.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking, and smoking should be prohibited in areas where material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. See section 8 for additional information on hygiene measures.

Condition for safe storage including any incompatibilities : Store in a dry area, protect from abuse and follow all SDS and label warning indefinitely with respect to physical properties: however, after some weeks slight color changes or exposed surface may be noticed, due to exposure to ultraviolet light Cured Expanded Bakelite blocks contain less than 0.05% free Formaldehyde or Phenol, emission testing under static and dynamic conditions at high temperature and humidity (120 F, 90% RH) produced formaldehyde emissions of less than 0.2 ppm.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Appropriate engineering controls

: None should be required in an area with free air flow. Positive ventilation should be used in confined spaces if dust becomes evident.

Environmental exposure controls

: None required.

Hygiene measure:

: Wash hands, forearms, and face thoroughly after handling products, before eating, smoking, and using the lavatory and at the end of the working period.

Eye/face protection

: Wear safety glasses, face shield or goggles. Do not wear contact lens without proper eye protection when using phenolic foam.

Skin Protection

Hand protection

: The use of gloves (polyvinyl or latex) is recommended.

Body protection

: For industrial clothing use clothing made of polyester.

Respiratory protection

: Dust masks are to be used by properly trained personal only. Wear an appropriate and properly fitting dust mask when cutting, grinding or milling the phenolic foam.

Section 9. Physical and Chemical Properties

Appearance

Physical state

: Solid Rigid Cellular Foam

Color

: Orange

Odor

: None

Odor threshold

: Not established

pH

: Not applicable

Melting point

: Not applicable

Boiling point

: Not applicable

Flash Point

: Not applicable

Evaporation rate:

: Not applicable

Lower & upper explosive (flammable) limits

: Not applicable

Solids (% by weight)

: 100 %

Relative density

: 2.5 to 20.0 lbs/ft³

Vapor pressure

: Not applicable

Solubility

: Insoluble in water

Decomposition temperature

: Not established

Auto- ignition temperature

: Not established

Volatile by volume

: Not applicable

Section 10. Stability and Reactivity

Reactivity

: The product is stable under normal conditions.

Chemical stability

: The product is stable under normal conditions.

Possibility of hazardous reactions

: Material will not polymerize.

Conditions to avoid:

: None

Incompatible materials

: None

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects

<u>Acute toxicity</u>	: There is no data available
<u>Irritation/Corrosion</u>	: There is no data available
<u>Sensitization</u>	: There is no data available
<u>Mutagenicity</u>	: There is no data available
<u>Carcinogenicity</u>	: There is no data available
<u>Reproductive toxicity</u>	: There is no data available
<u>Specific target organ toxicity (single exposure)</u>	: There is no data available
<u>Specific target organ toxicity (repeated exposure)</u>	: There is no data available

<u>Aspiration hazard</u>	: There is no data available
<u>Potential acute health effects</u>	
<u>Eye contact</u>	: No known significant effects or critical hazards symptoms.
<u>Inhalation</u>	: No known significant effects or critical hazards symptoms.
<u>Skin contact</u>	: No known significant effects or critical hazards symptoms.
<u>Ingestion</u>	: Product has a low order of acute oral toxicity.
<u>Symptoms related to the physical, chemical and toxicological characteristics</u>	
<u>Eye contact</u>	: No known significant effects or critical hazards symptoms.
<u>Inhalation</u>	: Not a likely mode of entry.
<u>Skin contact</u>	: No known significant effects or critical hazards.
<u>Ingestion</u>	: Not a likely mode of entry.

Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Potential immediate effects</u>	: No known significant effects or critical hazards
<u>Potential delayed effects</u>	: No known significant effects or critical hazards
<u>Short term exposure</u>	
<u>Long term exposure</u>	
<u>Potential immediate effects</u>	: No known significant effects or critical hazards
<u>Potential delayed effects</u>	: No known significant effects or critical hazards
<u>Potential chronic health effects</u>	
<u>General</u>	: No known significant effects or critical hazards
<u>Carcinogenicity</u>	: No known significant effects or critical hazards
<u>Mutagenicity</u>	: No known significant effects or critical hazards
<u>Teratogenicity</u>	: No known significant effects or critical hazards
<u>Developmental effects</u>	: No known significant effects or critical hazards
<u>Fertility effects</u>	: No known significant effects or critical hazards
<u>Target organs</u>	: No known significant effects or critical hazards
<u>Numerical measures of toxicity</u>	
<u>Acute toxicity estimates</u>	: There is no data available

Section 12. Ecological Information

<u>Toxicity</u>	: There is no data available
<u>Persistence and degradability</u>	: There is no data available
<u>Bioaccumulative potential</u>	: There is no data available
<u>Mobility in soil</u>	
<u>Soil/water partition coefficient (K_{oc})</u>	: Not applicable
<u>Other adverse effects</u>	: No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Section 14. Transportation information

AERG : Not applicable
Regulatory Information
DOT/TDG/IMDG/IATA : Not regulated

Section 15. Regulatory information

U.S. Federal regulations : **United States TSCA inventory:** All components are listed or exempted
Composition/information on ingredients

SARA 311/312 : This product is not listed.

SARA 313 : This product is not listed.

No known ingredients which occur at greater than 0.1% are listed as a carcinogen in the IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA, CFR 1910.1001.1047 subpart z toxic and Hazardous Substances.

16. Other information

Date of revision: : 3/22/2021
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Revisions: : Updated information related to product exposure.
Version : 2
Prepared by : C. Rogalski

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