
SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

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| 1. Product Name | Expanded Polystyrene – EPS block and cut board (unfaced, or faced with a polypropylene film) and with or without Preventol® TM Preservative Insecticide. Also known as rigid cellular foam insulation and brand name PolyPro. |
| 2. Product Use | Exterior and interior continuous insulation for building envelopes, including foundation walls, above and below grade |
| 3. Manufacturer | Perma "R" Products, Inc.
2604 Sunset Drive |
| 4. City, State & Zip | Grenada, MS 38901 |
| 5. Phone Number | 662-226-8075 |

SECTION 2 – HAZARDOUS IDENTIFICATION

EPS Block and cut board is an "article", not a chemical, as defined in 29 CFR 1910.1200(c). Under normal conditions of use, this product, in the form in which it is shipped, does not pose a physical hazard or health risk and does not require a Safety Data Sheet. Because the product may become hazardous through downstream activities (e.g. processing, cutting) that may generate dust, as a service to our customers, Perma "R" Products, Inc. has provided this Safety Data Sheet.

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| 1. Physical State | Solid |
| 2. Color & Appearance | White core product. May or may not have a clear and/or metallized poly facer |
| 3. Odor | Slight |
| 4. Acute Health Effects | Slight inhalation hazard
Ingestion – None expected
Skin – None expected
Eye - Solid or dust may cause irritation due to mechanical action
Systemic & other effects– None expected |
| 5. Chronic Health Effects | No appropriate human or animal data are known to exist or adverse chronic health effects from repeated or prolonged exposure to this material |
| 6. GHS Classification | None |
| 7. Label Elements | None |
| 8. Signal Word | None |
| 9. Hazard Statements | None |
| 10. Precautionary Statement | Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing dust and fumes. Wash thoroughly after handling. May accumulate combustible dust particles when sanding or sawing in restricted or confined spaces |

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

- Expanded Polystyrene Block – This product is an "article" not a chemical, as defined in 29 CFR 1910.1200(c). Therefore, it does not meet the criteria of a substance or mixture
- Preventol® TM Preservative Insecticide – 98% Imidacloprid – Non irritating
- Polypropylene Laminating Film – This product is not hazardous as defined in 29 CFR 1910.1200(c)

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SECTION 4 – FIRST AID MEASURES

1. EYES Immediately rinse with clean water for 20 – 30 minutes. Retract eyelids often during rinsing. If irritation or redness persists seek medical attention
2. SKIN Mechanical injury only. Wash with soap and water
3. INGESTION Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If ingested seek medical attention
4. INHALATION If dust particles inhaled seek fresh air. If any irritation occurs seek medical opinion

SECTION 5 – FIRE FIGHTING MEASURES

1. Means of Extinction Dry Chemical, Water, Foam or CO₂. Do not use direct water spray
2. Special Fire Fighting Procedures Do not enter area without proper protection. Fight fire from a safe distance
Firefighters should be equipped with self-contained breathing apparatus to protect against irritating fumes
3. Fire & Explosion EPS products will progressively distort, soften and melt when exposed to temperatures in excess of 175°F. As exposures to temperatures continue to increase, combustion gases given off by molten residue will ignite in the presence of an open flame or other ignition sources
4. Flash Point 347-365°F, ASTM D3278
5. Self-ignition Not self-igniting
6. Other Information Fire gives off black smoke consisting of carbon monoxide (<10ppm), carbon dioxide (500 ppm), Oxides of nitrogen (4ppm), including trace amounts of pentane, aldehydes and keytones

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Sources of ignition should be kept well clear

Maintain proper ventilation in areas prone to static discharge (high dust environment) or products prone to combustion

Do not allow to enter drains or waterways

Loose material can be vacuumed or swept and placed in disposal containers

This material can be disposed of in accordance with local, state and federal regulations. This material is not considered a hazardous waste

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SECTION 7 – HANDLING AND STORAGE

Observe all applicable regulations when storing these products. Keep in dry, ventilated area. Avoid long exposure to sunlight

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 1. VENTILATION | Use approved dust mask when sanding, sawing, or when working in high dust environment |
| 2. EYE/FACE | Use approved safety goggles when applying fasteners, sanding or sawing |
| 3. SKIN | Approved gloves and/or sleeves should be worn if sensitive to material composition products |
| 4. RESPIRATORY | Avoid inhalation of smoke vapor if processing or burning
Content exceeding safe exposure limits use NIOSH or MSHA approved air purifiers or air supplied respirators |
| 5. Exposure Limits | OSHA has established PEL values of 15 milligrams per cubic meters (mg/m ³) for total dust and 5 mg/m ³ of respirable dust (8-hour TWA) for such particulates not otherwise regulated (PNOR) |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| 1. Form | Rigid cellular foam blocks and/or boards |
| 2. Color | White |
| 3. Odor | Faint odor |
| 4. PH | Not applicable |
| 5. Hazardous Polymerization | Does not occur |
| 6. Hazardous Decomposition | No decomposition if used properly. In smoldering or flaming condition, CO, and CO ₂ may be released |
| 7. Self-Ignition | Not self-igniting |
| 8. Explosion Hazard | Not explosive |
| 9. Conditions to avoid | Sparks, open flame, other ignition sources and oxidizing conditions |
| 10. Melting Point | 175° begins to soften |
| 11. Water Solubility | Insoluble |
| 12. Upper/Lower Explosive limit | Not applicable |
| 13. Vapor Pressure | Not applicable |
| 14. Odor Threshold | Not applicable |
| 15. Vapor Density | Not applicable |
| 16. Density | .90 – 1.6 pcs |
| 17. Boiling Point | Not applicable |
| 18. Flash Point | 750° |
| 19. Viscosity | Not applicable |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY – NO HAZARDOUS REACTIONS KNOWN UNDER CONDITIONS OF NORMAL USE

CHEMICAL STABILITY – PRODUCT IS STABLE AT NORMAL TEMPERATURES AND CONDITIONS

CONDITIONS TO AVOID – HEAT, SPARKS, AND OPEN FLAMES

INCOMPATIBILITY – AROMATIC SOLVENTS AND STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION – Fire gives off black smoke consisting of carbon monoxide (<10ppm), carbon dioxide (500 ppm), oxides of nitrogen (4ppm), including trace amounts of pentane, aldehydes and keytones

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SECTION 11 – TOXICOLOGICAL INFORMATION

1. INHALATION – Dust may cause irritation of the nose, throat, and upper respiratory tract
2. SKIN CONTACT – No irritation is likely to develop following contact with human skin
3. SKIN ABSORPTION – This product will probably not be absorbed through human skin
4. INGESTION – The acute oral LD50 in rats is above 15,000 mg/kg. Relative to other materials this material is classified as relatively harmless by ingestion
5. OTHER EFFECTS OF OVEREXPOSURE – Prolonged exposure to vapors may aggravate existing respiratory conditions, such as asthma, bronchitis and inflammatory or fibrotic respiratory disease

SECTION 12 – ECOLOGICAL INFORMATION

1. There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility
2. The product has low solubility in the text medium. No toxic effects occur within the range of solubility
3. Aquatic plants – same as 2
4. No data available on biodegradation and elimination

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD – Dispose of material in accordance with local/regional/national regulations. Landfill solids at permitted sites. Recycle. This material is not considered a hazardous waste.

SECTION 14 - TRANSPORTATION

US DOT INFORMATION – Not regulated

SECTION 15 – REGULATORY INFORMATION

REGULATORY STATUS: CERCLA Hazardous Substances (40 CFR 302): None reportable

SARA 311/312: None reportable

SARA 313: None reportable

STATE RIGHT TO KNOW: To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6)

United States: All components of this product are listed on, or are exempt from the TSCA inventory

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SECTION 16 – OTHER INFORMATION

SDS prepared by:

Perma “R” Products, Inc.

January 16, 2019

Version 1.0

The information in the SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, the above named manufacturer or supplier nor any of its subsidiaries assumes responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

This SDS was prepared and is to be used only for the products listed in Section 1. If the product is used as a component in another product, this SDS information may not be applicable.