

ISI Building Products®

SAFETY DATA SHEET VIPER® VENOM BARRIER

IDENTIFICATION

Viper Venom Barrier

Recommended Use: Gas/Vapor Barrier

Manufacturer Name:

ISI Building Products
401 Truck Haven Road
East Peoria, Illinois 61611
866.698.6562

HAZARD(S) IDENTIFICATION

Viper products are classified as non-hazardous. They are considered an "Article" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 (c) and do not pose a physical hazard or health risk to employees.

EYE: If material is heated, thermal burns may result from eye contact.

SKIN: If material is heated, thermal burns may result from skin contact. Contact with skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response.

INGESTION: Not expected to be harmful if swallowed.

INHALATION: If material is heated, fumes may be unpleasant and produce nausea and irritation of the upper respiratory tract.

OTHER HAZARDS: No additional information.

CLASSIFICATION: No need for classification according to GHS criteria for this product.

LABEL ELEMENTS: Product does not require a hazard warning label in accordance with GHS criteria.

COMPOSITION/INGREDIENTS

CHEMICAL FAMILY: Polyolefin

COMPONENT: Polyethylene Hexene Copolymer (CAS No) 25213-02-9 <100% weight.

FIRST AID MEASURES

This product, in plastic sheet form, is not expected to cause adverse health effects under normal handling and storage conditions.

EYE: If heated material should splash into eyes, flush eyes immediately with fresh water for 15 minutes

while holding the eyelids open. Remove contact lenses if worn. Get immediate medical attention.

SKIN: If heated material gets on skin, quickly cool in water. See a doctor for extensive burns. Do not try to peel the solidified material from skin or use solvents or thinners to dissolve it. The use of vegetable oil, mineral oil or petroleum jelly is recommended for removal of this material from the skin.

INHALATION: If this material is heated, fumes may be unpleasant and produce nausea and irritation of the upper respiratory tract. Move the exposed person to fresh air. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

INGESTION: Not expected to be harmful if swallowed. May cause choking.

FIRE FIGHTING MEASURES

FIRE CLASSIFICATION

OSHA CLASSIFICATION (29 CFR 1910.1200)

Not classified as flammable or combustible.

NFPA RATINGS:

Health: 1, Flammability: 1, Reactivity: 0

FLAMMABILITY (EXPLOSIVE) LIMITS: N/A

EXTINGUISHING MEDIA: Use fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIREFIGHTING PROCEDURES: If possible, water should be applied as a spray from a fogging nozzle. The application of high velocity water will spread the burning surface layer.

COMBUSTION PRODUCTS: Incomplete combustion can also produce formaldehyde. Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, original monomer, other hydrocarbons and hydrocarbon oxidation products, depending on temperature and air availability.

ACCIDENTAL RELEASE MEASURES

PROTECTIVE MEASURES: This material should not be stored or exposed to heat and sources of ignition. A static charge may be present on finished product.

SPILL MANAGEMENT: Non-applicable in solid form. If heated material is spilled, allow it to cool before proceeding with disposal methods. Dispose of in a manner consistent with applicable regulations.

HANDLING & STORAGE

GENERAL STORAGE INFORMATION: Do not use or store near heat, sparks or open flames. Always store in a dry location. Take measures to prevent the build up of electrostatic charge.

EXPOSURE CONTROLS/PROTECTION

This product, in plastic sheet form, is not expected to cause adverse health effects under normal handling and storage conditions.

EYE/FACE PROTECTION: Should not be necessary.

SKIN PROTECTION: Should not be necessary.

HAND PROTECTION: Chemical protective gloves should not be needed when handling this material.

RESPIRATORY PROTECTION: Should not be necessary.

INGESTION: No precautions necessary due to the physical properties of the material.

VENTILATION: Normal.

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Blue, Grey, Black odorless plastic sheet.

AUTOIGNITION: 380°C (716°F)

BOILING POINT: N/A

DENSITY: 0.91 g/cm³ to 0.97 g/cm³

EVAPORATION RATE: N/A

FLAMMABILITY (EXPLOSIVE) LIMITS: N/A

FLASH POINT: 340°C (644°F)

MOLECULAR FORMULA: Mixture

MOLECULAR WEIGHT: NDA

MELTING POINT: 100°C (212°F) TO 135°C (275°F)

OCTANOL/WATER PARTITION COEFFICIENT:

LOG-KOW: NDA

pH: N/A

POUT POINT: NDA

SOLUBILITY (IN WATER): Negligible

SPECIFIC GRAVITY: 0.91 to 1.02

VAPOR PRESSURE: N/A

VAPOR DENSITY (AIR=1): N/A

VISCOSITY: N/A

PERCENT VOLATILE: NDA

STABILITY AND REACTIVITY

CHEMICAL STABILITY: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY WITH OTHER MATERIALS: May react with oxygen and strong oxidizing agents, such

as chlorates, nitrates, peroxides, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.

HAZARDOUS POLYMERIZATION: Will not occur.

TOXICOLOGICAL INFORMATION

This product contains polymerized olefins. During the thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes, ketones and organic acids), which are irritating to the mucous membranes of the eyes, mouth, throat and lungs.

ECOLOGICAL INFORMATION

N/A

DISPOSABLE CONSIDERATIONS

DISPOSAL RECOMMENDATIONS: Dispose in accordance with all applicable local and national regulations.

TRANSPORT INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME: Not regulated by DOT.

SPECIAL HANDLING OR SHIPPING PRECAUTIONS: None required.

HAZARD CLASS: Non-Hazardous

UN IDENTIFICATION NUMBER: None.

REGULATORY INFORMATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

SPECIAL: N/A

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE: Personal Protection Equipment Index recommendation, Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA).

OTHER INFORMATION

This safety data sheet will supersede any previously received as it contains the most up to date information.

DISCLAIMER: REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS INFORMATION, BUT THE MANUFACTURER MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THIS INFORMATION. THE MANUFACTURER MAKES NO REPRESENTATIONS AND ASSUMES NO LIABILITY FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM USE.