

# ISI BUILDING PRODUCTS®

## SAFETY DATA SHEET

### FOR VIPER® II UNDER-SLAB VAPOR BARRIER

## IDENTIFICATION

PRODUCT NAME: Viper II  
DESCRIPTION: Multi-Layer (Co-Extruded), Virgin Polyolefin  
RECOMMENDED USE: Under-Slab Vapor Barrier

## MANUFACTURER

ISI BUILDING PRODUCTS  
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## HAZARD(S) IDENTIFICATION

Classified as nonhazardous. Products are considered an "Article" as defined by OSHA Hazard Communication Standard 29 CFR 1910.1200 (c) and do not pose a physical hazard or health risk to employees.

EYE: If heated, thermal burns may result

SKIN: If heated, thermal burns may result. Not expected to cause prolonged/significant irritation or allergic skin response.

INGESTION: Not expected to be harmful if swallowed

INHALATION: If heated, fumes may be unpleasant and produce nausea or irritation of upper respiratory tract

OTHER HAZARDS: No additional information available

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

LABEL ELEMENTS: Does not require a hazard warning label in accordance with GHS criteria

## COMPOSITION/INGREDIENTS

CHEMICAL FAMILY: Polyolefin

COMPONENT:	CAS NUMBER:	AMOUNT:
Polyethylene	25213-02-9	<100% weight
Additives	Various	<4% weight

## FIRST AID MEASURES

Products in plastic sheet form are 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 solidified material from skin or use solvents or thinners to dissolve it. Use of vegetable oil, mineral oil or petroleum jelly is recommended for removal of material from skin.

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

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

## FIREFIGHTING MEASURES

FIRE CLASSIFICATION: OSHA Classification (29 CFR 1910.1200): Not flammable or combustible.

NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 1

FLAMMABLE PROPERTIES: Flashpoint: 340°C (644°F)  
Autoignition: 380°C (716°F)

FLAMMABILITY (Explosive) LIMITS (% by volume in air):  
Lower: N/A Upper: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

FIREFIGHTING PROCEDURES: If possible, water should be applied as a spray from a fogging nozzle. 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: Products should not be stored or exposed to heat or sources of ignition. A static charge may be present on finished products.

SPILL MANAGEMENT: N/A in solid form. If heated material is spilled, allow to cool before proceeding with disposal methods. Dispose of in manner consistent with applicable regulations.

## HANDLING & STORAGE

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

## EXPOSURE CONTROLS/PROTECTION

Products, in plastic sheet form, are 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: Should not be necessary

RESPIRATORY PROTECTION: Should not be necessary

INGESTION: No precautions necessary due to products' physical properties

VENTILATION: Normal

## PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE: Blue, gray, black, white or silver plastic sheet

ODOR: Odorless

AUTOIGNITION: 380°C (716°F)

BOILING POINT: N/A

DENSITY: 0.91 g/cm<sup>3</sup> to 0.97 g/cm<sup>3</sup>

EVAPORATION RATE: N/A

FLAMMABILITY (Explosive) LIMITS (% by volume in air):  
Lower: N/A Upper: N/A

FLASHPOINT: 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 & REACTIVITY

CHEMICAL STABILITY: Considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY WITH OTHER MATERIALS: N/A 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

Products contain 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. Decomposes under normal conditions.

## DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable local and national regulations.

## TRANSPORTATION INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME: Not regulated by DOT

SPECIAL HANDLING OR SHIPPING PRECAUTIONS: None

HAZARD CLASS: Nonhazardous

UN IDENTIFICATION NUMBER: None

## ECOLOGICAL INFORMATION

NDA

## REGULATORY INFORMATION

NFPA RATINGS

Health: 0 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).

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