ISI BUILDING PRODUCTS®

# SAFETY DATA SHEET

## FOR VIPER® CS II CRAWL SPACE VAPOR BARRIERS

**PRODUCT NAME**
Viper® CS II
Crawl Space Vapor Barrier

**DESCRIPTION**
Multi-Layer (Co-Extruded)
Virgin Polyolefin

**MANUFACTURER**
ISI Building Products
401 Truck Haven Rd.
East Peoria, IL 61611

### 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: Not expected, if heated, thermal burns may result

SKIN: Not expected, if heated, thermal burns may result

INGESTION: Unlikely, material physiologically inert

INHALATION: Unlikely, material physiologically inert

OTHER HAZARDS: No additional information available

CLASSIFICATION: None in accordance with GHS criteria

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

### COMPOSITION/INGREDIENTS

CHEMICAL FAMILY: Polyolefin
COMPONENT: Polyethylene
CAS NUMBER: 25213-02-9
AMOUNT: <100% 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

EXTINGUISHING MEDIA: Use water spray, water fog, CO2, dry chemical.

FIREFIGHTING PROCEDURES: For fires, do not enter closed or confined space without proper protection equipment and self-contained breathing apparatus.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear positive-pressure SCBA self-contained breathing apparatus and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

UNUSUAL FIRE AND EXPLOSION HAZARDS: In present form, product offers no unusual fire or explosion hazards.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. In smoldering or flaming conditions, carbon monoxide, carbon dioxide, and carbon are generated. Based on combustion toxicity testing, the effects of combustion from this material are not more acutely toxic than the effects of combustion from common building materials such as wood.

### ACCIDENTAL RELEASE MEASURES

PROTECTIVE MEASURES: No special required instructions

SPILL MANAGEMENT: Sweep up and discard. Bury in landfill or burn in an approved incinerator in accordance with applicable local, state and federal regulations.

ENVIRONMENTAL PRECAUTIONS: No special required instructions

### HANDLING & STORAGE

Do not use or store near heat, sparks or open flames. Alway store in a dry location. Take measures to prevent the build 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: White or clear, plastic sheet

ODOR: Odorless

AUTOIGNITION: 380°C (716°F)

BOILING POINT: N/A

DENSITY: 0.91 g/cm$^3$ to 0.97 g/cm$^3$

EVAPORATION RATE: N/A

FLAMMABILITY 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: Temperature above 260°C (500°F)

INCOMPATIBILITY WITH OTHER MATERIALS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Not expected under normal conditions

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).

**DISCLAIMER:** Reasonable care has been taken in the preparation of this information. 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, indcidental or consequential damages resulting from use.