



## Safety Data Sheet

Section 1 – Product and Company Identification	
Manufacturer:	ISI Building Products
Address:	401 Truck Haven Road, East Peoria, Illinois 61611
Emergency Phone:	309-698-0062
Date Prepared:	May 8, 2018
Product Name:	<b>Viper® CS Crawl Space Vapor Barriers and Retarders</b>

Section 2 – Hazards Identification	
Viper® CS 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:	Eye contact not normally a problem.
Skin:	Skin contact not normally a problem.
Ingestion:	Unlikely, material physiologically inert.
Inhalation:	Unlikely, material physiologically inert.
Other Hazards:	No additional information is available.
Classification:	No need for classification according to GHS criteria for this product.
Label Elements:	This product does not require a hazard warning label in accordance with GHS criteria.

Section 3 – Composition Information on Ingredients	
Chemical Family:	Polyethylene (HDPE Yarn + LDPE Coating + Color Additive)
<b>Component:</b>	<b>CAS Number(s):</b>
Polyethylene	9002-88-4
Color Concentrate	Various
Additives	Various

<b>Section 4 – First Aid Measures</b>	
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.
Ingestion:	Not expected to be harmful if swallowed. May cause choking.
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.

<b>Section 5 – Fire Fighting Measures</b>	
Extinguishing Media:	Use water spray, water fog, CO2, dry chemical.
Fire Fighting Procedures:	For fires involving this material, do not enter closed or confined space without proper protection equipment, including self-contained breathing apparatus.
Special Protective Equipment for Firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting 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 its present form, this product offers no unusual fire and 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.

<b>Section 6 – Accidental Release Measures</b>	
Steps to be Taken in Material is Released or Spilled:	Recover spilled material if possible. See Section 13, Disposal Considerations, for additional information.
Personal Precautions:	There are no special required instructions.
Environmental Precautions:	There are no special required instructions.

<b>Section 7 – Handling and Storage</b>	
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 of electrostatic charge.

**Section 8 – Exposure Controls/Personal Protection**

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

Eye/Face Protection:	Eye protection should not be necessary.
Skin Protection:	Skin protection should not be necessary.
Hand Protection:	Chemical protective gloves should not be needed when handling this material.
Respiratory Protection:	Respiratory protection should not be necessary.
Ingestion:	No precautions necessary due to the physical properties of the material.
Ventilation:	Normal.

**Section 9 – Physical/Chemical Properties**

Appearance and Odor:	Orange Woven Polyethylene Plastic Sheeting. No Odor.	
Autoignition:	NDA	
Boiling Point:	N/A	
Density:	Not established for product as a whole.	
Evaporation Rate:	N/A	
Flammability (Explosive) Limits (% by volume in air):	Lower: N/A	Upper: N/A
Flashpoint:	>300°C (572°F)	
Molecular Formula:	Mixture	
Molecular Weight:	NDA	
Melting Point/Freezing Point:	NDA	
Octanol/Water Partition Coefficient: log-Kow:	NDA	
pH:	N/A	
Pout Point:	NDA	
Solubility (in water):	Negligible	
Specific Gravity:	NDA	
Vapor Pressure:	N/A	
Vapor Density (AIR=1):	N/A	
Viscosity:	N/A	
Percent Volatile:	NDA	

**Section 10 – 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:	Avoid temperatures above 260°C (500°F).
Incompatibility with Other Materials:	N/A
Hazardous Decomposition Products:	Not expected to decompose under normal conditions.
Hazardous Polymerization:	Hazardous polymerization will not occur.

**Section 11 – Toxicology Information**

Acute Oral Toxicity:	NDA
Acute Inhalation Toxicity:	NDA
Acute Dermal Toxicity:	NDA
Skin Irritation:	NDA
Eye Irritation:	NDA
Skin Sensitization:	NDA
Chronic Toxicity:	NDA
Carcinogenicity:	This product is not classified as a carcinogen by IARC, NTP, OSHA, ACGIH.

**Section 12 – Ecological Information**

Ecological Information:	N/A
-------------------------	-----

**Section 13 – Disposal Considerations**

Dispose in accordance with all applicable local and national regulations.
---

**Section 14 – Transportation 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.

**Section 15 – 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).

**Section 16 – Other Information**

Preparation Date:	5-9-2018
-------------------	----------

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

To the best of our knowledge, the information contained herein is accurate. It is obtained from sources such as raw material suppliers and is believed to be true; however, we make no warranties, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.