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DYPLAST PRODUCTS SHIELD POLYISO CAVITY WALL INSULATION

MATERIAL SAFETY DATA SHEET

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IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product. This product is covered by the OSHA Hazard Communication Rule and this document has been prepared in accordance with the MSDS requirements of the rule.

Product Name:  Shield

SECTION 1 - COMPONENT DATA

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	C.A.S. NUMBER
Polyisocyanurate Foam	Same	None

SECTION 2 - PHYSICAL DATA

PROPERTY

Boiling Point (° F): NA*
Melting Point: NA
Vapor Pressure (mmHg @ 20° C): NA
Percent Volatile By Volume: NA
pH: NA
Vapor Density (Air = 1): NA

PROPERTY

Specific Gravity (H₂O = 1): ND**
Solubility In Water: Insoluble
Evaporative Rate (Ethyl Ether = 1): NA
Appearance And Odor: White or cream colored solid with a foil facing, and with no odor

*NA = Not Applicable

**ND = Not Determined

SECTION 3 - FIRE & EXPLOSION HAZARD DATA

Flash Point (° F):	NA	Method Used:	NA
Flammability Limits:	NA		
LEL:	NA	UEL:	NA
Auto-Ignition Temperature (° F):	NA		
Extinguishing Media:	CO2, Dry Chemical, Water Spray		
Special Fire Fighting Instructions:	Self contained breathing apparatus		
Unusual Fire And Explosion Hazards:	This product will burn and should not be left exposed. Under certain fire conditions, combustible gases can be generated creating rapidly spreading, high intensity flames and dense, black smoke.		

SECTION 4 - REACTIVITY DATA

Stability (Conditions to Avoid): *Stable, avoid sources of ignition.*

Incompatibility (Materials to Avoid): *Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formamide*

Hazardous Decomposition Products: *Primarily CO, CO₂. Some HCN possible under certain conditions.*

Hazardous Polymerization: *Will not occur.*

SECTION 5 - HEALTH HAZARD DATA

Primary Route(s) of Entry: *Inhalation*

Health Hazards (Acute and Chronic):

INHALATION: *For Fibrous Glass:*

Acute: *Mechanical irritation of the mouth, nose and throat.*

Chronic: *No chronic health effects are known to be associated with exposure to continuous filament fiberglass. Results from epidemiological studies have not shown any increase in respiratory disease or cancer. The International Agency for Research on Cancer (IARC) has classified continuous filament fiberglass "Not Classifiable as to Carcinogenicity to Humans" (Group 3; i.e., IARC-3).*

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INHALATION: For Polyisocyanurate Foam:

Acute: Dust will cause respiratory tract irritation.

Chronic: There is no evidence that polyisocyanurate foam dust causes disease in humans.

SKIN CONTACT: For Fibrous Glass and Polyisocyanurate Foam

Acute: Transient mechanical irritation.

Chronic: None known.

EYE CONTACT: For Fibrous Glass and Polyisocyanurate Foam

Acute: Mechanical irritation.

Chronic: None known.

Signs and Symptoms of Exposure

Mechanical irritation of the eyes, skin and respiratory tract.

Medical Conditions Generally Aggravated By Exposure

Any condition generally aggravated by mechanical irritants in the air or on the skin.

Exposure Limits:

Hazardous Ingredients	OSHA PEL (mg/M³)	ACGIH TLV (mg/M³)	Other Recommended (Source)
Polyisocyanurate Foam (as nuisance dust)	15 mg/M³	10 mg/M³	None

Carcinogenicity:

Hazardous Ingredients	NTP Listed	IARC Listed	OSHA Regulated
Polyisocyanurate Foam	No	No	No

SECTION 6 - EMERGENCY AND FIRST-AID PROCEDURES

Inhalation: None required.

Skin: Wash with soap and cool running water.

Eyes: Flush with running water for at least 15 minutes.

SECTION 7 - SPECIAL HANDLING INFORMATION

Ventilation: Ambient

Respiratory Protection: If irritation occurs or exposure limit is exceeded, use a respirator such as 3M Model 9900, Model 8710, or equivalent for protection against nuisance dusts.

Protective Clothing: If excessive dust is generated during cutting operations, wear long sleeved, loose fitting clothing, long pants and gloves, to reduce irritation.

Eye Protection: Goggles or safety glasses with side shields are recommended.

Work / Hygienic Practices: No special practices required.

SECTION 8 - SPILL, LEAK & DISPOSAL PROCEDURES

Action to Take For Spills (Use Appropriate Safety Equipment): NA

Waste Disposal Method: Dispose in accordance with federal, state and local regulations. The primary method of disposal is in a municipal or industrial landfill.

EPA Hazardous Waste Number: NA (This material is not regulated under the "RCRA" hazardous waste regulations.)

SECTION 9 - SPECIAL PRECAUTIONS / ADDITIONAL INFORMATION

Precautions to Be Taken In Handling And Storage: None

Department of Transportation Information:

Hazardous Material Proper Shipping Name: Not Regulated by D.O.T.

Hazard Class: NA

UN Identification Number: None

Additional Information: None

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