

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Polyisocyanurate Foam Insulation
CHEMICAL NAME	Proprietary
TRADE NAME	Polytherm
MANUFACTURER	Polyglass USA, Inc.
ADDRESS	1111 West Newport Center Dr, Deerfield Beach, FL 33442
PHONE	954-233-1330
INTERNET	www.polyglass.com
EMERGENCY PHONE	800-424-9300 Chemtrec
MSDS NUMBER	SBSG01
EFFECTIVE DATE	December 1, 2001
NFPA RATING	Health 1, Reactivity 1, Flammability 0 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

SECTION 2 - PRODUCT INGREDIENT

INGREDIENT NAME	COMMON NAME	CAS number	% Weight
Perlite Board	Board	N/A	25 - 75
Polyisocyanurate Foam	Foam	N/A	33147,0
Paper Facing	Facings	N/A	0 - 30
Foil Facing	Facings	N/A	0 - 30
Continuous Filament glass fiber	Fiberglass mat	65997 17 3	Present in Paper facing

SECTION 3 - PHYSICAL/CHEMICAL DATA

PROPERTIES	UNIT	DATA
Appearance	N/A reinforced paper, foil or perlite board	Yellow or tan foam board faced with black,
Physical State	N/A	Solid
Boiling point	deg F	Not applicable
Evaporation Rate	N/A	Not applicable
Melting Point	deg F	Not determined
Freezing Point	deg F	Not applicable
Odor	N/A	No significant odor
Ph (undiluted product)	N/A	Not applicable
Specific gravity	g/cc	0,03
Vapor density	Air = 1	Not applicable
Vapor Pressure	N/A	Not applicable
Viscosity	cP	Not applicable
VOC	g/liter	Not applicable
Volatility	%	Negligible
Water solubility	%	None

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY PROPERTIES

Flash point	Not applicable
Upper Flammable Limit (UFL)	Not applicable
Lower Flammable Limit (LFL)	Not applicable
Auto Ignition	Not determined
Flammability Classification	Not determined
Rate of Burning	Not determined

GENERAL FIRE HAZARD

Product is combustible. Avoid direct contact with flame.

HAZARDOUS COMBUSTION PRODUCTS

Burning foam may emit thick, black smoke.

RECOMMENDED EXTINGUISHING MEDIA

Carbon dioxide (CO₂), water, water fog, dry chemical

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

SECTION 5 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Yellow or tan foam board faced with black, reinforced paper, foil, or perlite board; no significant odor.

Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

Inhalation of excessive amounts of dust from the product may cause temporary upper respiratory irritation and/or congestion. Remove affected individuals to fresh air.

Skin irritation may be treated by gently washing affected area with soap and warm water.

Eye irritation may be treated by flushing eyes with large amounts of water. If irritation persists, contact a physician.

In the event of fire, use normal fire fighting procedures to prevent inhalation of smoke and gases.

Product is combustible. Burning product may produce thick black smoke.

POTENTIAL HEALTH EFFECTS

Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust or fibers on the skin, or in the eyes may cause itching, rash, or redness. Due to the physical properties of the continuous filament filament containing products, the fibers cannot be carried into the lower lung passages when inhaled. Therefore, the inhalation hazard is limited to irritation of the upper respiratory tract (nose, throat, upper airways).

SIGN/SYMPTOMS OF OVEREXPOSURE

Inhalation	Coughing, irritation of the upper respiratory tract (scratchy throat), and congestion may occur in extreme exposures.
Skin Contact	Temporary irritation (itching) or redness may occur
Skin absorption	Not applicable
Ingestion	Not intended to be ingested or eaten under normal conditions of use. If ingested, it may cause temporary irritation to the gastrointestinal (GI) tract, especially the stomach.
Eye Contact	Temporary irritation (itching) or redness may occur
Target Organ	Upper respiratory passages, lungs, skin, eyes
Primary Route of Entry (Exposure)	Inhalation (breathing dust), skin, and eye contact.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE

Pre-existing chronic respiratory, skin, or eye diseases or conditions.

SECTION 6 - FIRST AID PROCEDURES**INHALATION**

Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.

SKIN CONTACT

Wash gently with soap and warm water to remove dust and fibers. Wash hands before eating or using the restroom.

SKIN ABSORPTION

Not applicable

INGESTION

Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove material or dust, and drink plenty of water to help reduce the irritation. No chemical effects are expected following ingestion.

EYE CONTACT

Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5 - 15 minutes. If irritation persists, contact a medical professional.

NOTES TO PHYSICAL

This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed removing the source of irritation with symptomatic treatment as necessary.

SECTION 7 - STABILITY/REACTIVITY DATA**CHEMICAL STABILITY**

This is a stable material. This product is not reactive.

CHEMICAL STABILITY: CONDITION TO AVOID

Keep away from heat, sparks, or open flame.

INCOMPATIBILITY

Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylenedichloride, dimethyl sulfoxide, dimethyl formamide.

HAZARDOUS DECOMPOSITION

The decomposition products from this materials are those that would be expected from any organic (carbon-containing) material, and are mainly derived from pyrolysis, or burning, of the resin. These decomposition products may include carbon monoxide, carbon particles, and traces of hydrogen cyanide.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 8 - HANDLING, USE AND DISPOSAL**HANDLING PROCEDURES**

Use protective equipment as described in Section 9 of this material safety data sheet when handling uncontrolled material.

STORAGE PROCEDURES

Warehouse storage should be in accordance with package directions, if any. Material should be kept dry, and protected from the elements.

Eliminate all sources of ignition.

DISPOSAL CONSIDERATION

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

ACCIDENTAL RELEASE CONTAINMENT PROCEDURES

Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation. These procedures will help minimize potential exposures.

CLEAN-UP PROCEDURES

Wastes are not hazardous as defined by the Resources Conservation and Recovery Act (RCRA). Comply with state and local regulations for disposal.

SECTION 9 - EXPOSURE CONTROL/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS

OSHA: 5 mg/m³ TWA respirable fraction (OSHA); 15 mg/m³ TWA total dust (OSHA) (related to continuous filament glass fibers).

PERSONAL PROTECTIVE EQUIPMENT: EYES/FACE

Wear safety glasses with side shields.

PERSONAL PROTECTIVE EQUIPMENT: SKIN

Wear leather or cotton gloves (impervious). Barrier creams may also be used to reduce skin contact and irritation caused by glass fiber.

PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY

A respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fiber levels below the appropriate exposure limits. In those cases, use a NIOSH-certified or reusable particulate respirator with an efficiency rating of N95 or higher working with this product.

VENTILATION

Local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibers. General dilution ventilation should be provided as necessary to keep airborne dust and fibers below applicable exposure limits and guidelines. The need for ventilation should be evaluated by a professional industrial hygienist while the design of specific ventilation systems should be conducted by a Professional Engineer.

PERSONAL PROTECTIVE EQUIPMENT: GENERAL

Loose-fitting, long-sleeved clothing should be worn to protect skin from irritation. Work clothing should be washed separately from other clothes, and the washer should be rinsed thoroughly (run empty for a complete wash cycle). This will reduce the chances of dust being transferred to other clothing.

OTHER PRACTICES

None

SECTION 10 - TRANSPORTATION

Shipping	Not regulated as a hazardous material for transport
Labeling	Not applicable
Labeling Required	None required
Hazard Class	Not applicable

SECTION 11 - MISCELLANEOUS INFORMATION

COMMENTS

None

ADDITIONAL INFORMATION

Contact Polyglass USA at (775) 575 6007

MSDS REVISION SUMMARY

Revision Date

MSDS No.

Reason for Change

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