

MATERIAL SAFETY DATA SHEET

1. PRODUCT and COMPANY IDENTIFICATION

Manufacturer

U.S. PLY, INC.
 P.O. Box 11740
 Fort Worth, TX 76110

Non Emergency Information

Telephone: U.S. PLY, INC. (866) 787-4759 or (817) 413-0103

Emergency Information

Transportation Emergency Telephone: 1-800-424-9300.

Product Name: USP ISO, USP ISO-CA, USP TAPERED ISO, USP TAPERED ISO-CA, USP ISO COMPOSITE/PERLITE

Chemical Name: Polyisocyanurate

2. COMPOSITION (Information on Ingredients)

Component	CAS No	Weight %
Chemical Name (common names)		
Polyisocyanurate Foam	9063-78-9	> 90*
Glass Fiber/Organic Mat Facer	N/A	< 1
Expanded Perlite	N/A	< 10
See Section 8 of this MSDS for Exposure Guidelines		
* & varies with thickness of core material		

3. HAZARDS IDENTIFICATION

Physical Hazards

APPEARANCE AND ODOR: Rigid foam board with glass fiber/organic mat facers. No odor.

Under normal use conditions, this product is not expected to create any unusual emergency hazards. This product is not considered to be a carcinogen.
 Dust generated from product are considered nuisance dusts.

Potential Health Effects

Medical conditions which may be aggravated: Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma.

Exposure Routes

Primary: Respiratory System.

Inhalation: Congestion, irritation or tickle or nose.

Skin Contact: Transient mechanical irritation or rash.

Absorption: Not applicable

Eye Contact: Transient mechanical irritation or rash.

Ingestion: Not applicable. This product should never be consumed.

Medical Conditions Aggravated by Exposure

Medical conditions which may be aggravated: Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air.

Skin Contact: Wash affected area with soap and warm water.

Eye Contact: Flush with copious quantities of water. If irritation persists, consult a physician.

Ingestion: N/A

5. FIRE FIGHTING MEASURES

Flash Point: N/A
 Flammable Limits:
 Lower Explosive Limit N/A
 Upper Explosive Limit N/A
 Auto Ignition: N/A

Extinguishing Media: Foam, CO2, dry chemical or water fog

Special Fire-fighting Procedures: Wear self-contained breathing apparatus (SCBA).

Unusual Fire and Explosive Hazards: Polyisocyanurate foam is flammable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: N/A

Environmental Precautions: Pick up large pieces of material. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation. These procedures will help to minimize potential exposures.

Clean-up Methods: This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Method of disposal – Landfill. RQ – N/A. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact the local Public Health Department, or the local office of the EPA.

7. HANDLING AND STORAGE

Handling: Use protective equipment as described in Section 8 of this material safety data sheet when handling uncontained material. Avoid direct exposure to very high heat or flame.

Storage: Keep away from heat, sparks or open flame. Store material on pallets. Material should be kept dry, and protected from the elements. Recommended storage temperature is between 55°F to 95°F (12.7°C to 35°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Read all product instructions before using. Personal protective equipment should include safety eye wear, fire resistant gloves, and long sleeve work clothes to prevent excessive skin contact. No special ventilation systems are required under normal conditions of use in well ventilated areas.

Exposure Guidelines	OSHA	ACGIH
Polyisocyanurate Foam 9063-78-9	Respirable Dust: 15 mg/m ³ nuisance	Respirable Dust: 10 mg/m ³ nuisance
Glass Fiber/Organic Mat Facer	Respirable Dust: 5 mg/m ³ nuisance	Respirable Dust: 10 mg/m ³ nuisance
Expanded Perlite	Respirable Dust: 5 mg/m ³ nuisance	Respirable Dust: 5 mg/m ³ nuisance

None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid rigid foam
 Appearance: foam core with glass fiber/organic mat facer
 Odor: No odor
 Specific Gravity: 0.03
 Boiling Point: N/A
 Flash Point: N/A
 Melting Point: N/A
 Self-Flammability: N/A
 Auto-Flammability: N/A
 pH: N/A
 Vapor Pressure: N/A

Solubility in Water: Not soluble
Explosion data: N/A
VOC: N/A

10. STABILITY AND REACTIVITY

Chemical Stability

This product is a stable material. This product is not reactive. Hazardous polymerization cannot occur.

Incompatibility

This product will react with strong oxidizing agents.

Hazardous Decomposition

Oxides of carbon (carbon monoxide, carbon dioxide, carbon particles, and hydrocarbons) are derived from burning.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Dust from this product is an irritant and may cause irritation or scratchiness of the throat, and/or itching in the eyes and skin.

Carcinogenicity

There is no data for this product as a whole.

Component Carcinogenicity

N/A

Additional toxicological Information

This material is in a solid form; therefore, exposures to hazardous dusts or fumes are not expected to occur. Exposure limits are given for reference only.

12. ECOLOGICAL INFORMATION

Biodegradation:	Not Established
Chemical degradation:	Not Established
Bioaccumulation:	Not Established
Agility:	Not Established
Ecotoxicity influence on Organisms:	Not Established
Ecotoxicity in water:	Not Established
Other toxicity:	Not Established

13. DISPOSAL CONSIDERATIONS

This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Method of disposal – Landfill. RQ – N/A. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact the local Public Health Department, or the local office of the EPA.

14. TRANSPORTATION INFORMATION

Shipping Information

This product is not classified as a hazardous material for transport.

DOT (Ground):	N/A
Hazard Class:	N/A
DOT Label:	N/A
Air:	N/A
Water:	N/A

Freight Classification: Class 250 Thermal insulation.

15. REGULATORY INFORMATION

US Federal Regulations:

There is no regulation on this product as a whole.

SARA Title III:

None of the products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

16. OTHER

NFPA: Fire 1; Health 1; Reactivity 0
HMIS: Flammability 1; Health 1; Reactivity 0

Prepared by:
U.S. PLY, INC. Technical Services Department
P.O. Box 11740
Fort Worth, TX USA 76110

The information and recommendations contained herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information supplied upon the condition that the persons receiving said information will make their own determination as to its suitability for their particular purpose prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, including the merchantability or fitness for a particular purpose are made herein with respect to this information or the product to which information refers.

Information contained herein is deemed to be reliable, conservative and accurate. U.S. PLY, Inc. reserves the right to change the design, specification or any other features at any time, without notice, while otherwise maintaining regulatory compliance.

Issue Date: 8/10/04
Revised Date: 2/22/06 Revision Disclosure: Change of Address