



AMERICAN HYDROTECH, INC.
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STYROFOAM®
BRAND INSULATION
RM, PD, HI100

SECTION I

CHEMICAL NAME & SYNONYMS: N/A
CHEMICAL FAMILY: N/A
TRADE NAME & SYNONYMS: Extruded Polystyrene Rigid Insulation
FORMULA: N/A

SECTION II – HAZARDOUS INGREDIENTS

INGREDIENT	C.A.S. #	%	TLV EXPOSURE LIMITS
Polystyrene	9003-53-6	N/A	
Chlorodifluoroethane	75-68-3	N/A	
Copolymer Mixtures			
Halogenated Flame Retardant			

This product may contain additives (such as magnesium silicate, CAS# 14807-96-6) generally at levels <1.5% max.

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	N/A	PERCENT VOLATILE BY VOLUME:	N/A
VAPOR PRESSURE (mmHg @ 20°C):	N/A		
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE (BUTYL ACETATE=1):	N/A
SPECIFIC GRAVITY (H ₂ O=1):	N/A	(Butyl Acetate = 1) :	N/A

SOLUBILITY IN WATER: Not Applicable
APPEARANCE AND ODOR: Blue rigid cellular foam board. No odor.

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED): 670°F (354°C); (ASTM D1929, Procedure B)
FLAMMABLE LIMITS: Not Applicable

EXTINGUISHING MEDIA: Foam, water, dry chemical, carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: If material is molten, do not apply direct water stream – use fine spray or foam. Use positive pressure, self-contained breathing apparatus.

UNUSUAL FIRE/EXPLOSION HAZARDS: In smoldering or flaming conditions, CO, CO₂ and C are generated. Evolution of small amounts of hydrogen halides occur when burned or heated above 480°F (250°C). Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified and/or irritating compounds. Dense smoke is produced when product burns. When stored in closed containers a flammable atmosphere can develop. Container may vent and/or rupture due to fire. This product contains a flame retardant to inhibit accidental ignition from small fire sources. Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce dust explosion potential, do not permit dust to accumulate.

SECTION V – HEALTH HAZARD DATA

SIGNS/SYMPTOMS/EFFECTS OF OVEREXPOSURE: Solid or dust may cause eye irritation or corneal injury due to mechanical action. Essentially non-irritating to skin. Single dose oral toxicity is considered to be low. May cause choking or blockage of the digestive tract if swallowed. Dust may cause irritation to upper respiratory tract. Vapors/fumes generated during hot wire cutting may cause eye and respiratory irritation.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with plenty of water.
SKIN: Wash off in flowing water or shower.
INHALATION: Remove to fresh air.
INGESTIONS: If swallowed, seek medical attention. Do not give laxatives. Do not induce vomiting unless directed by medical personnel.

SECTION VI – REACTIVITY DATA

STABILITY: Thermally stable at typical use temperatures.
CONDITIONS TO AVOID: Avoid direct sunlight. Product can decompose at elevated temperatures. Temp. >165°F.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials, aldehydes, amines, esters, liquid fuels, organic solvents
HAZARDOUS DECOMPOSITION PRODUCTS: Does not normally decompose. Evolution of small amounts of hydrogen halides occur when heated above 480°F (250°C). Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons (styrene, ethylbenzene) are generated. Hazardous decomposition products depend on temp., air supply and are not limited to ethylbenzene, aromatic compounds, aldehydes, hydrogen bromide, hydrogen chloride, hydrogen fluoride, polymer fragments, styrene.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Pick up solid material. Sweep up dust or small pieces and place in suitable container for disposal.

WASTE DISPOSAL METHODS: Comply with all Federal, State and Local laws and regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

VENTILATION (TYPE): Provide general and/or local exhaust ventilation to control airborne levels.

RESPIRATORY PROTECTION: When protection is required (cutting, routing, hot wire) use an approved air-purifying respirator. In dusty conditions, use an approved dust respirator.

PROTECTIVE CLOTHING & EQUIPMENT: Safety glasses.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: In order to prevent buildup of combustible vapors, do not store large quantities in unventilated spaces. Storage, use and handling areas should be designated "No Smoking". Protect from flame and other sources of high heat.

Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this information for his safe use of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.