

Material Safety Data Sheet

Volara Type A All Colors, All Densities

Volara Type A Derivatives:

AB, AO, AL, AA, AC, AF, AFL, AFR, AFX, AG, AGF,
AGL, AH, AI, AT, AR, AUL, AV, AVL, AW

SECTION 1: IDENTIFICATION

Product Name:	Volara Type A		
Chemical Name:	Crosslinked Polyethylene Foam		
Synonyms:	PE Foam, X-Linked PE Foam, XLPE Foam, Polyethylene		
Chemical Family:	Polymeric; Polyethylene Plastic		
Manufacturer:	Voltek, LLC 100 Shepard Street Lawrence, MA 01843		
Telephone Numbers:	<u>Emergency:</u>	(M-F: 8-5 EST) 978-685-2557	(Weekends/Evenings) 978-685-6186
	<u>Non-Emergency:</u>	(Customer Service) 800-225-0668	(General) 978-685-2557

SECTION 2: COMPOSITION

EXEMPT

This product is considered to be an article according to 29 CFR, hazardous communication – 1910.1200(b)(6)(v)

OSHA REGULARITY STATUS

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

SECTION 3: HAZARD IDENTIFICATION

Emergency Overview:

Hazards: Molten polymer will cause thermal burns to skin. When heated irritating fumes may be produced.

Physical State: Solid

Color: According to product color.

Odor: Faint, mild hydrocarbon odor.

Potential Health Effects:

Routes of Exposure: Poses no immediate hazard.

Signs and Symptoms Of Acute Exposure: No known acute exposure effects.

Eye: Solids or dusts may cause irritation or scratch the surface of the eye.

Skin: Not Irritating. Heated foam can stick to skin, causing thermal burns.

Ingestion: Ingestion not a likely route of exposure.

Inhalation: Inhalation of fumes and vapors generated by heating foam may cause soreness or irritation in the nose and throat. Exposure to dust may cause irritation.

Chronic Health Effects: No known chronic health effects.

Conditions Aggravated by Exposure: No known conditions are aggravated by exposure to this material.

SECTION 4: FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. For specific information refer to the Emergency Overview in Section 3 of this MSDS.

Eye: Flush particles from eyes with clean flowing water or eye wash solution for several minutes. Seek medical attention if discomfort persists.

Skin: If heated material contacts the skin, immediately quench with cool flowing water. If foam/polymer sticks to skin, *do not peel*, seek immediate medical attention. If the burn is severe, obtain immediate emergency medical attention.

Ingestion: If Ingested, seek medical attention.

Inhalation: If symptoms are experienced, move affected individuals to fresh air. Obtain medical attention if breathing difficulty persists.

SECTION 5: FIRE FIGHTING MEASURES

Flammability Classification:	Not Classified. Polyethylene foam will burn.
Flash Point / Method:	Not applicable.
Auto-Ignition Temperature:	650 °F (343 °C)
Flammable Limits:	LOWER: Not applicable. UPPER: Not applicable.
Hazardous Combustion Products:	Typical Polyethylene combustion products: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.
Extinguishing Media:	SMALL FIRE: Use dry chemical, CO2, water spray LARGE FIRES: Water Spray
<u>Fire Fighting Instructions:</u>	
Protective Equipment/Clothing:	Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.
INSTRUCTIONS:	Use flooding quantities of water until well after fire is extinguished.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Release Response:	Pick up and retain for recycle or disposal.
Reportable Quantities:	See Section 15: Regulatory Information.

SECTION 7: HANDLING AND STORAGE

Handling:	Keep scrap material off walking surfaces as this can create slipping hazards. Avoid accumulation of dust in enclosed space. Use in well-ventilated area. Use good housekeeping practices during storage, transfer, handling.
Storage:	Recommend storage indoors with adequate fire sprinkler protection. Store away from excessive heat, ignition sources and oxidizing agents. Keep poly-bag container closed to prevent moisture exposure, soiling and contamination. Foam rolls can be heavy, stacking rolls is not recommended.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Ventilate storage and use areas to prevent accumulation of dust and fumes.
<u>Personal Protection:</u>	
Eye:	Safety glasses are recommended.
Skin:	Protective clothing such as long sleeves or a lab coat should be worn.
Inhalation:	Use appropriate respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	pH:	Not applicable
Vapor Pressure:	Not applicable	Viscosity:	Not applicable
Specific Gravity:	0.02 to 0.40 (water = 1)	Water Solubility:	Insoluble
Melting Point:	104 - 138 °C (219 - 280 °F)	Evaporation Rate:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	The product is stable.
Conditions to Avoid:	Avoid sparks, open flame or excessive heat. Avoid contact with oxidizers.
Incompatibility with:	Material may be softened by some hydrocarbons. Reacts with fluorine gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary:	Volara is not considered to be toxic to humans or animals.
ACUTE ORAL EFFECTS:	No adverse health effects were noted on the digestive system of test animals when fed Volara Type A.
SKIN EFFECTS:	No adverse skin effects were noted on the skin of test animals when tested.
Reproductive / Development Effects	None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Ecotoxicity is expected to be minimal based on the low water solubility of polymers.
Environmental Fate:	Unknown.
Bioaccumulation:	Unknown.

SECTION 13: DISPOSAL CONSIDERATIONS

Use only licensed transporters and permitted facilities for waste disposal. Recycle whenever possible.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping

Name: Crosslinked Polyethylene Foam

DOT Hazard Class: Not Regulated

UN/NA ID: Not Regulated

Marine Pollutant: Unknown

Packing Group: Not applicable

NAER Guidebook: Not Regulated

Labels: Not Regulated

DOT Status: Not Regulated

SECTION 15: REGULATORY INFORMATION

No additional regulatory information

SECTION 16: OTHER INFORMATION

DISCLAIMER OF RESPONSIBILITY:

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