

Molded Polyurethane/Foam

Section 1 - CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION

Supplier Information:

American Excelsior Company

850 Avenue H East

Arlington, TX 76011

Office Phone #: (817) 385-3500

Chemical Name: Polyurethane**SDS Origination Date:** 05-12-15**Synonyms:** Polyurethane Foam**Last Revision Date:** 05-12-15**Internal Product Codes:****Product Use:** Packaging

Section 2 - HAZARDS IDENTIFICATION

Product Overview:

Product is Molded Polyurethane foam. It is solid open-cellular foam that is molded to various geometry and market applications. Not known to contain any hazardous materials. Dusts may cause irritation to eyes and respiratory tract. Dusts in air may pose an explosive hazard. Combustible solid, (keep away from flame source) once ignited will burn with rapid flame spread producing intense heat, dense smoke and toxic fumes (primarily oxides of carbon and nitrogen).

GHS LABEL:



Signal word: WARNING

Primary Health Hazard(s):

The primary health hazards posed by this product are thought to be due to exposure to dusts.

Potential Health Effects:

Skin Contact	Rubbing may cause mechanical irritation. Skin absorption not expected to be significant under normal use of product.
Eye Contact	Dust may cause mechanical irritation.
Inhalation	Dusts may cause irritation to the respiratory tract. When heated to decomposition, fumes are toxic.
Ingestion	Essentially non-toxic.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	% Weight
Polyurethane	N/A	≈100.0

Section 4 - FIRST AID MEASURES	
Eyes:	May cause mechanical irritation. Open eyelids and hold back while flushing with water for at least 15 minutes. Seek medical attention.
Skin:	No special treatment required. May cause mechanical irritation. Vacuum or brush dusts from skin.
Ingestion:	No special treatment required.
Inhalation:	Remove victim to fresh air. If victim has stopped breathing, administer artificial respiration and seek immediate medical attention.

Section 5 - FIRE FIGHTING MEASURES	
Flash Point:	N/A
Method Used:	N/A
Upper Flammable Limit (UFL):	N/A
Lower Flammable Limit (LFL):	N/A
Auto Ignition:	N/A
Flammability Classification:	N/A
Rate of Burning:	Moderate to rapid
General Fire Hazards:	Product will ignite upon exposure to ignition source causing intense heat and dense smoke with toxic gases (primarily oxides of carbon and nitrogen). Burning foam may melt into pools or droplets of burning liquid. Foam may smolder and reignite. Foam dusts can produce potentially explosive atmospheres. Treat this material as a combustible solid.
Extinguishing Media:	Water, foam, dry chemical, carbon dioxide.
Fire Fighting Equipment/Instructions:	Fire fighters should wear NIOSH approved full-face positive pressure self contained breathing apparatus and impervious protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES	
Containment Procedures:	Pick-up or sweep large pieces of material for recycling or disposal. Sweep or vacuum dusts for disposal avoiding generating static discharge. Larger pieces of this material are recyclable. Material not collected for recycling is to be disposed of a non-hazardous waste according to local, state, and federal regulations.

Section 7 - HANDLING AND STORAGE

Recommended Storage Methods:

Storage areas should be protected by a sprinkler system meeting insurance, NFPA and/or local codes. Avoid elevated storage temperatures. Keep away from open flames, burning cigarettes, space heaters, naked lights, exposed wiring, or other ignition sources. Urethane foam products are combustible and will burn rapidly, consume oxygen and produce toxic gases (primarily oxides of carbon and nitrogen).

Maintain good housekeeping practices. Do not allow foam scrap or dust to accumulate in the workplace or in equipment.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

- A. General Product Information
There are no specific exposure limits established for this product. Treat dusts as Particles Not Otherwise Classified (PNOC).
- B. Component Exposure Limits
ACGIH TLV: 10 mg/M³ as inhalable fraction
3 mg/M³ as respiration fraction
OSHA PEL: 50 mppcf or 15 mg/M³ as total dust
15 mppcf or 5 mg/M³ as respiration fraction

Engineering Controls: Local mechanical ventilation when hot-wire cutting, heat scaling, flame laminating or for processes where fumes, smoke or dusts are generated.

Personal Protective Equipment:

- Eye/Face: Approved safety glasses/eye protection is recommended when processing material.
- Skin: No special equipment required.
- Respiratory: If fumes, smoke or dusts are generated use NIOSH approved respiratory protective equipment.
- Ingestion: There are no known health hazards associated with this material when used as designed. It is recommended employees wash thoroughly after handling the material. Wash before and after eating, smoking, drinking or using restroom facilities. Avoid breathing dusts.

Section 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Flexible cellular solid	Odor: Negligible Odor
Physical State: Polyurethane foam	pH: N/A
Vapor Pressure (mmHg): N/A	Vapor Density (air =1): N/A
Density (lb/ft³): 2.8-6.0	Boiling Point: N/A
Melting Point: N/A	Solubility in Water: N/A

Section 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION	
Chemical Stability:	Stable under ordinary conditions of use and storage.
Conditions to Avoid:	Heat, flames, ignition sources and fluorine and fluorine/oxygen mixtures. Fine dusts may pose dust explosion hazard.
Incompatibility:	Oxidizing agents.
Hazardous Decomposition Products:	When heated to decomposition toxic gases (primarily oxides of nitrogen and carbon) may be produced.
Hazardous Polymerization:	Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION	
Skin:	Not considered a primary skin irritant.
Eye:	Not considered to be an eye irritant.
Ingestion:	Acute oral LD ₅₀ for an aqueous extract for rats was >15,000 mg/Kg.
Other:	See Section 3 for Potential Health Effects.

Section 12 - ECOLOGICAL INFORMATION	
No information available.	

Section 13 - DISPOSAL CONSIDERATIONS	
Disposal Instructions:	<p>This material is potentially recyclable.</p> <p>If the product becomes waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.</p> <p>Dispose of in accordance to all federal, state, and local laws and regulations.</p>

Section 14 - TRANSPORTATION INFORMATION	
DOT Information:	This material is not hazardous as defined by 49 CFR 172.101 (US DOT).
Shipping Name:	N/A
Hazard Class:	N/A
UN/NA #:	N/A
Packing Group:	N/A
Emergency Response Guide:	N/A
Label(s) Required:	N/A
Additional Shipping Information:	Marine Pollutants regulations not applicable to this material.

Transport Canada Transportation of Dangerous Goods Regulations: Not regulated as dangerous goods

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Section 15 - REGULATORY INFORMATION

US Federal Regulations:

- | | | |
|----|-----------------------------|--|
| A. | General Product Information | N/A |
| B. | Component Information | None of this product's components are listed under SARA Section 302 (TPO), 304 (RO), 313, RCRA, CERCLA or CAA (112(r) TO). |

Clean Air Act:

The product does not contain any Class 1 or Class 2 Ozone depleting substances.

Clean Water Act:

This product is not listed as a Hazardous Substance under the CWA. This product does not contain any chemicals listed as priority of toxic pollutants under the CWA.

Section 16 - OTHER INFORMATION

This information is furnished in good faith, without warranty, expressed or implied, except that it is accurate to the best knowledge of America Excelsior Company. The information contained in this document is related on the specific material designated herein. American Excelsior Company assumes no liability for the accuracy or completeness of the information contained herein.

Key/Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
CAA	Clean Air Act
CERCLA	Comprehensive Environment Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CWA	Clean Water Act
DOT	Department of Transportation
EPA	Environmental Protection Agency
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
mppcf	million particles per cubic foot (of air)
mg/M ³	milligrams of substance per cubic meter of air

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