



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

Revision No: 0
Revision Date: 29-Jan-2018
Print Date: 29-Jan-2018

SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Trade Name: AMCO
Product ID: PS230302

Physical Description: High Impact Polystyrene Resin

Company: AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, FL. 32810

Telephone: 800-262-6685

Emergency Contact: (800) 424-9300

2. HAZARDS IDENTIFICATION

Combustible Dust

GHS Signal Word: Warning

GHS Hazard Phrases: May form combustible dust concentrations in air. While this product may not be a combustible dust as sold, further processing or handling may form combustible dust concentrations in air.

GHS Precaution Phrases: No phrases apply.

GHS Response Phrases: No phrases apply.

GHS Storage and Disposal Phrases: No phrases apply.

OSHA Regulatory Status: This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200, the SDS and labels contain all the information as required by the standard.

Potential Health Effects (Acute and Chronic): The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling.



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

Inhalation: Fumes produced during melt process may cause eye, skin and respiratory irritation. Secondary operations such as material transfer, grinding, sanding or sawing can produce combustible dust.

Skin Contact: Heated material can cause thermal burns resulting in pain, redness and blistering.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Medical Conditions Generally Aggravated By Exposure: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	NONE	~100%

4. FIRST AID MEASURES

Emergency and First Aid Procedures: For processing fume inhalation, leave the contaminated area and breathe fresh air.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

In Case of Eye Contact: In case of contact, immediately flush eyes with copious amounts of water for at least {15} minutes.

In Case of Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure: The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal processing conditions.

Note to Physician: None



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

5. FIRE-FIGHTING MEASURES

Flash Pt:	NA Method Used: Not Applicable
Explosive Limits:	LEL: NA UEL: NA
Autoignition Pt:	NA
Suitable Extinguishing Media:	Water spray and foam. Water is the best extinguishing medium.
Fire Fighting Instructions:	Emits toxic fumes under fire conditions. Approved positive pressure demand breathing apparatus (SCBA) and protective clothing should be used for all fires.
Flammable Properties and Hazards:	Carbon dioxide and carbon monoxide generated when the material burns. Combustible Dust may form during material transfer. Estimated Dust Explosion Class = ST2; Kst estimated (bar.m/s): >200 - </=300
Hazardous Combustion Products:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and place into a suitable disposal container.
--	---

7. HANDLING & STORAGE

Precautions To Be Taken in Handling:	Use with adequate ventilation. Minimize dust generation and accumulation as combustible dust mixtures may be formed.
Precautions To Be Taken in Storing:	Store in a cool, dry place.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	NONE	No data.	No data.	No data.



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

Respiratory Equipment (Specify Type):

Follow the OSHA respirator regulations found in {149} CFR {149} CFR {1910.134} or European Standard EN {149}. Use a NIOSH/MSHA or European Standard EN {149} approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in {1910.133} CFR {1910.133} or European Standard EN166.

Protective Gloves:

Wear appropriate protective gloves to minimize skin exposure.

Other Protective Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Engineering Controls (Ventilation etc.):

Use adequate ventilation to keep airborne concentrations low. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	<input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid
Appearance and Odor:	Pellets with slight or no odor.
pH:	No data.
Melting Point:	> 90.00 C (194.0 F) - 0.00 C (32.0 F)
Boiling Point:	NA
Flash Pt:	NA Method Used: Not Applicable
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: NA UEL: NA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	> 1
Solubility in Water:	NA
Solubility Notes:	Insoluble in cold water.
Octanol/Water Partition Coefficient:	No data
Percent Volatile:	< 1.0 %
Autoignition Pt:	NA
Decomposition Temperature:	> 300.00 C (572.0 F)
Viscosity:	No data



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

10. STABILITY & REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Stable under recommended conditions of storage and handling.
Incompatibility - Materials To Avoid:	No special recommendations.
Hazardous Decomposition or Byproducts:	Processing fumes evolved at recommended processing conditions may include trace levels of low molecular weight hydrocarbon fragments, carbon dioxide, carbon monoxide, styrene monomer and Irritating fumes and gases.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid – Hazardous Reactions:	Under normal conditions of use, hazardous decomposition will not occur.

11. TOXICOLOY INFORMATION

Toxicological Information: No data available.
Carcinogenicity/Other Information:

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	NONE	n.a.	n.a.	n.a.	n.a.a

12. ECOLOGICAL INFORMATION

General Ecological Information:	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	This product will not readily bioaccumulate due to its insolubility in water.
Mobility in Soil:	Soil mobility is expected to be negligible, because the product is insoluble in water.



AMCO Polymers
 1900 Summit Tower Blvd
 Suite 900
 Orlando, Fl. 32810
 Telephone: 1 (800)-225-1529

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in {261} CFR Parts {261.3}. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. TRANSPORTATION INFORMATION

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:
AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

15. REGULATORY INFORMATION TRANSPORTATION INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	NONE	NO	NO	NO

This material meets the EPA [] Yes [X] No Acute (immediate) Health Hazard
 'Hazard Categories' defined for [] Yes [X] No Chronic (delayed) Health Hazard
 SARA Title III Sections 311/312 [X] Yes [] No Fire Hazard
 as indicated: [] Yes [X] No Sudden Release of Pressure Hazard
 [] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	NONE	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	NONE	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; REACH: No



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

16. OTHER INFORMATION

Product Literature:

Additional information on this product may be obtained by calling your sales or customer service contact.

Recommended Uses and Restrictions:

For industrial conversion as a raw material for manufacture of articles or goods. We recommend that you use this product in a manner consistent with the listed use.

If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

Revision:

Legend:

N/A	Not available
W/W	Weight/Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
WEEL	Workplace Environmental Exposure Level
HAZ_DES	Hazard Designation
Action	A value set by OSHA that is lower than the PEL which will trigger the need for activities such as exposure monitoring and medical surveillance if exceeded.

Disclaimer:

This Material Safety Datasheet (SDS) information is provided based on the Hazard Communication Regulation for your region or country and for use of the persons required to receive this information under those regulations. The information is neither designed nor recommended for any other use or for use by any other person, including for compliance, with other laws. AMCO Polymers does not warrant suitability for use of this SDS for any other material or product not specifically identified herein. AMCO Polymers does not warrant accuracy or authenticity of this SDS unless it has been obtained directly from AMCO Polymers. Modification of this SDS, unless specifically authorized by AMCO Polymers is strictly prohibited. This SDS is



AMCO Polymers
1900 Summit Tower Blvd
Suite 900
Orlando, Fl. 32810
Telephone: 1 (800)-225-1529

based on information that is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not AMCO Polymers control, each user is responsible for making its own determination as to the safe and proper handling of this material in its own particular use of this material. AMCO POLYMERS MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each user should read and understand this information and incorporate it into individual site safety programs as required by applicable hazard communication standards and regulations.

End of Safety Data Sheet