SAFETY DATA SHEET

SECTION 1: MATERIAL IDENTIFICATION AND USE

RetroFoam Plastic Foam:

Read and understand this SDS before using or handling product.

For emergency purposes: RetroFoam is a product of PolyMaster, Inc.

Inhalation: Respiration of dusts during handling of cured foam may cause physical irritation to nose or throat.

Skin Contact: None known.
Eye Contact: Dusts/particulates generated from handling dry foam could cause physical irritation of eyes. Wash with liberal amounts of water to flush debris from eyes and consult physician if irritation persists.

Ingestion: Ingestion of material is not expected to occur during the normal use of this product.

CHRONIC HAZARDS: None known.

IN ALL CASES WHERE SYMPTOMS AND EXPOSURE EFFECTS PERSIST GET MEDICAL ATTENTION.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier or in the concentrations applicable; are classified as hazardous to health or the environment; are PBTs of vPvTs; or have been assigned a workplace exposure limit that require reporting under this section.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water for 15 minutes to remove debris. Get medical attention if irritation persists.
Skin Contact: None required.
Inhalation: Not applicable.
Ingestion: Rinse mouth to remove material. Get medical attention.
Protection of First-responders: No special hazards exist, however no action shall be taken without suitable training.
Notes to Physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The person may need to be kept under medical surveillance for up to 48 hours (Expected decomposition products include oxides of carbon and nitrogen)

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Not flammable, meets UL Class I.
Means of Fire Extinction: Removal of flame source (water spray) and displacement of oxygen for combustion.
Special Procedures: Material decomposes in a fire. NIOSH approved self-contained breathing apparatus. Treat as ordinary combustible material.
Flash Point, °C, and Method: >212° F (>100° C) by Closed Cup.
Upper Explosion Limit (UEL), % volume: Not applicable.
Lower Explosion Limit (LEL), % volume: Not applicable.
Explosion Data: Not available.
Auto Ignition Temperature: Not available.
Hazardous Combustible Products: Carbon dioxide, CO_2; Carbon monoxide, CO; Oxides of nitrogen,

NOx; and Aldehydes, R-CHO.
Rate of Burning: Not available.
Extinguishing Media: Water fog, CO_2, foam, dry chemical.
Sensitivity to static discharge: Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Prepared foam is a solid inert material. Dry foam is light, friable and can generate nuisance dusts when crushed. Use best means such as sweeping, vacuum, etc to clean up materials and place wastes in plastic bags for disposal. Dispose of waste material as ordinary solid waste according to your Federal, State and Local regulations.

SECTION 7: HANDLING AND STORAGE

Storage and handling: Avoid crushing dry foam which can generate nuisance particulates (non-respirable dusts).

SECTION 8: EXPOSURE CONTROL PERSONAL PROTECTION

None known or expected.

Exposure Control and Personal Protection:
No special measures need to be observed when handling cured foam.
Eyes – Use dust proof goggles and/or dust mask if dusts are generated during handling.
Skin – Skin protection is not required under conditions of normal use.
Respiratory Protection – Not required under conditions of normal use and when ventilation is adequate.
Other – Access to eye wash stations and safety showers should be provided (dusts, debris).

9: PHYSICAL AND CHEMICAL PROPERTIES:

Color: White.
Odor: No appreciable odor.
Odor Threshold: Not available.
Physical State: Solid (Foam), light-weight solid semi-rigid foam.
pH: Not applicable, solid.
Freezing Point: Not Applicable, solid.
Melt Point: Not applicable, solid.
Boiling Point: Not applicable, solid.
Flash Point: Not applicable, solid.
Evaporation Rate: Not applicable, solid.
Flammability: Not available.
Upper Flammability Limit: Not available.
Lower Flammability Limit: Not available.
Vapor Pressure: Not applicable, solid.

Vapor Density: Not Applicable.
Bulk Density: 0.7-0.8 lbs. per cu.ft.
Auto ignition Temperature: Not available.
Percent volatile: Not Applicable, solid.
Volatile Organic Compound Content, wt %: None, None, solid (Foam).
Solubility in water: Insoluble.
Coefficient of oil/water distribution: Not applicable.

10: STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Does not occur.
Incompatibilities: Strong oxidizing agents and strong acids.
Conditions to Avoid: Heat, open flames, (Thermal degradation at temp > 250C).
Hazardous Decomposition Products: Carbon dioxide, CO_2, Carbon monoxide, CO, Oxides of nitrogen, NOx, and Aldehydes, R-CHO.

11:TOXICOLOGICAL INFORMATION

Toxicological information on Foam itself was not found.

General Information: Contact with dusts may cause physical irritation of the eyes, nose or throat.

Eye- No known health concerns.
Skin- No known health concerns.
Inhalation – Dusts from this product may cause physical irritation of the nose or respiratory tract by inhalation.
Ingestion – No known health concerns.

CHRONIC HAZARD: Chronic hazards have not been evaluated for the plastic foam.

12: ECOLOGICAL INFORMATION

This material is considered to be biodegradable under certain situations. Ecological effects have not been evaluated but none are expected.

13: DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the RetroFoam plastic foam which is non-hazardous as supplied (solid inert material). If the material has been altered, contaminated with other materials this guidance may not be applicable. Hazardous waste classification under Federal regulations is dependent upon whether a material is RCRA listed hazardous waste or has any of four RCRA hazardous waste characteristics. Refer to 40CFR Part 261.33 to determine if a given material is to be disposed of is a RCRA listed hazardous waste.

RCRA Hazardous Waste Characteristics:

There are four characteristics defined in 40CFR 261.21-61.24: Ignitability, corrosivity, reactivity, and toxicity. To determine ignitibility see section 9 of this MSDS (flashpoint). For corrosivity, see section 9 and 14 (pH and DOT), for reactivity see section 10 (incompatible materials), for toxicity see section 11.

Federal regulations are subject to change. State and local regulations may differ from, or be more stringent than the Federal regulations and may also require alternate disposal as waste. It is the responsibility of the user to check State and Local waste regulations as to the waste classification for this material and the proper method to be used for its disposal.

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14. TRANSPORTATION INFORMATION:

DOT: SOLID, N.O.S., Plastic Foam, non-hazardous.

Chemical of concern: None.
Corrosively: None.
Harmonized Tariff System Number: None.

15: REGULATORY INFORMATION:

United States (USA): All components of this material are included on the TSCA inventory in compliance with the Toxic Substance Control Act. No reactions have occurred that make a secondary substance or chemical that is not listed on TSCA.
Canada: Components of this product have been reported to environment Canada in accordance with sections 66 and/ or 81 of the Canadian Environmental Protection Act.
European Union (EU): All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) in compliance Council Directives 67/548/EEC.
Australia: All components of this product have not yet been included in the Australian inventory of Chemical Substances (AICS) or assessed by Worksafe Australia.
China: All components of this product are not included in the China Inventory.
Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.
Korea: All components of this product are not included on the Korean (ECL) inventory.
Philippines: All components of this product are not included on the Philippines (PICCS) inventory.

Other Regulatory Information:
None of the components of this product are subjected to reporting requirements pursuant to section 313 of the CERCLA (40 CFR 372) Section 12b of TSCA or are subject to release reporting requirements (40 CFR 307, 40 CFR 411, etc.). See section 13 for information on waste classification and waste disposal of this product.

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16. OTHER INFORMATION

Abbreviations and Acronyms:
ACGIH – American Conference of Governmental Industrial Hygienists

CAS # – Chemical Abstract Service number used to identify the chemical compound
CERCLA – Comprehensive Environmental Response Compensation and Liability Act
GHS – Global Harmonization System
IARC – International Agency for Research on Cancer
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – Occupational Safety and Health Administration
PBTs –Persistent, bioaccumulative and/or toxic substances
PEL – Permissible exposure limit
ppm – parts per million
RCRA – Resources Conservation and Recovery Act
RQ – Reportable Quantity
SDS – Safety Data Sheet
STEL – Short Term Exposure Limit; maximum exposure allowed over 15 minutes for a hazardous material
TSCA – Toxic Substances Control Act
TLV – Threshold Limit Value
TWA – Time Weighted Average; average total exposure over 8 hours allowed for a hazardous material
vPvB – very persistent and/or very bioaccumulative substance
WHMIS – Workplace Hazardous Materials Information System (Canada)

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.*

Revision History:

Date of Issue/revision:	02/18/2019
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Previous/Other Product Name(s): None