

MATERIAL SAFETY DATA SHEET

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Molded Polyurethane Anti-Fatigue Mats
Product Category: Polyurethane Foam

Manufacturer: Meramec Group
338 Ramsey Drive
Sullivan, MO 63080

Telephone Number: 573-468-3101

Date Prepared: July 1, 2009

II. COMPOSITION / INFORMATION ON INGREDIENTS

	<u>CAS #</u>	<u>% by Weight</u>	<u>Exposure Limit</u>
Polyurethane Foam	9009-54-5	100	Not Established

Meramec polyurethane foam is a fully cross-linked reaction product of polyols, isocyanate, catalysts, surfactants, pigments and blowing agents. Polyurethane is a polymeric material consisting of repeating units of carbon, hydrogen, oxygen and nitrogen.

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- Abrasive blasting, sanding or grinding of this product could generate nuisance dust.
- Decomposition gases will be generated at temperatures greater than 450°F, which would be harmful to health if inhaled.

EFFECTS OF OVEREXPOSURE

- **INHALATION:** Grinding dust may cause mechanical irritation to the respiratory tract.
- **SKIN:** Essentially non-irritating to skin.
- **EYES:** Grinding dust may cause mechanical irritation.
- **INGESTION:** Not expected as a route of exposure.

IV. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

- **INHALATION:** Remove to fresh air. Consult a physician.
- **SKIN:** No adverse effects anticipated.
- **EYES:** Irrigate with water for at least 5 minutes.
- **INGESTION:** No adverse effects anticipated.

V. FIRE FIGHTING MEASURES

Classification:	Combustible solid
Flash Point:	Decomposes above 450°F
Explosion Limits:	Not Applicable
Extinguishing media:	Dry chemical, CO ₂ , foam, water

Fire Fighting Procedures and Equipment: Firefighters must wear NIOSH approved self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: If burned, material can produce dense black smoke and toxic gases. Material can melt into a burning liquid that can drip and flow.

Accumulated polyurethane dust can be readily ignited and presents a fire risk. High concentrations in the air can explode if exposed to a flame, spark or other ignition source.

VI. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance:	Uniform cellular solid of various colors
Melting Point:	300 - 350°F
Specific Gravity:	0.20 – 0.40
Solubility in Water:	Insoluble

VII. REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	High temperatures, open flames, strong oxidizers
Incompatibility:	Strong oxidizing acids
Hazardous Decomposition Products:	Carbon monoxide, polymer fragments, oxides of nitrogen and hydrogen cyanide.
Hazardous Polymerization:	Will not occur.

IX. OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use of the product are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this product. Final determination of the suitability of this product is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the material to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.