

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05

Page: 1 of 6

Rigid Urethane Foam

MSDS Number: 110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Material Identity**

Product Name: Rigid Foam

Product Numbers: 20544Z

Product Use: pillar foam

Distributed By

The Easthill Group
 dba/ The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
 USA & Canada: 800-345-1178
 Outside USA: 610-323-2200

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
POLYOL	Proprietary	NE	25-50 %
diphenylmethanediisocyanate, isomers and homologues	9016-87-9	NE	25-50%
4,4'-methylenediphenyl diisocyanate	101-68-8	202-966-0	10-25%
Dibromoneopentyl Glycol	3296-90-0	221-967-7	2.5-10%
Methylenediphenyl diisocyanate	26447-40-5	247-714-0	≤ 2.5%

SECTION 3. HAZARDS IDENTIFICATION*****EMERGENCY OVERVIEW*****

DANGER! Vapor harmful. Overexposure may cause lung damage. May cause allergic skin reaction, effects may be permanent. Combustible liquid and vapor.

Potential Health Effects**Acute Effects (Short Term):**

Eye: Can cause tearing, eye reddening, and swelling and other irritation.

Skin: Avoid contact with skin, may cause irritation, sensitization possible through skin contact.

Swallowing: harmful if swallowed.

Inhalation: High concentrations may irritate respiratory system, may cause sensitization.

Chronic Effects of Overexposure (Long Term): Polyisocyanate: as a result of previous exposure, certain individuals develop sensitization which will cause them to react to a later

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05

Page: 2 of 6

Rigid Urethane Foam

MSDS Number: 110001

exposure to product at levels well before the TLV. Symptoms include chest tightness, wheezing, cough, shortness of breath or asthma attack. Effect could be immediate or delayed.

Cancer Information: none anticipated.

Primary Route(s) of Entry: eye contact, skin contact, inhalation

SECTION 4. FIRST AID MEASURES

Eyes: In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists repeat flushing. Obtain medical attention immediately.

Skin: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Swallowing: If swallowed, DO NOT induce vomiting. Rinse the mouth. Drink 1-2 glasses of milk to dilute product. Water may be used instead but not as effective. Obtain medical attention immediately.

Inhalation: Remove affected person to fresh air. If breathing is difficult, get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: >199° F (93° C)

Explosive Limit: Lower: 0.4 vol % Upper: NA

Autoignition Temperature: NA

OSHA Flammability Class: Combustible liquid

Fire and Explosion Hazards: none known

Extinguishing Media: foam, CO2, dry chemicals

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

***NFPA Rating:** Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbent and dispose of properly.

SECTION 7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05

Page: 3 of 6

Rigid Urethane Foam

MSDS Number: 110001

Handling: Do not use in presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapors and spray mists. Avoid contact with skin and eyes. After handling always wash hands thoroughly with soap and water.

Storage: Keep in a cool, well-ventilated place. Keep away from heat, open flames, sparks and all other sources of ignition. Do not place in hot water or near radiator, stove or other sources of heat. Do not puncture, incinerate, store the container at temperature over 120° F or in direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
4,4' Diphenylmethane Diisocyanate	101-68-8	STEL 0.02 ppm (10 min.) TWA .005 ppm	0.005 ppm

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	NA	Vapor Density:	NA
Density:	1.15 g/cm ³	Percent Volatiles by weight:	NA
Evaporation Rate:	NA	Physical State:	Fluid
Melting Point:	NA	pH:	NA
Odor:	Charateristic	Solubility:	Fully Miscible

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05

Page: 4 of 6

Rigid Urethane Foam

MSDS Number: 110001

Vapor Pressure:	0 mmHg @ 68° F (20° C)	Appearance:	According to product specification
Octanol/Water Partition Coefficient:	NA		

SECTION 10. STABILITY AND REACTIVITY**Hazardous Polymerization:** no dangerous reactions known.**Hazardous Decomposition:** no dangerous decomposition products known.**Chemical Stability:** Stable under normal handling conditions**Incompatibility:** Avoid contact with strong oxidizing agents, isocyanates, water, alcohol, ammonia and acids.**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity Data:**

Ingredient	CAS #	LD₅₀ Oral-Mouse
4,4'-methylenediphenyl diisocyanate	100-68-8	2,200 mg/kg

Carcinogenicity: Dibromoneopentyl Glycol IARC rating 2B**Mutagenicity:** not available**Teratogenicity:** not available**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity:** none**SECTION 13. DISPOSAL CONSIDERATION****RCRA Hazardous Waste:** This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.**RCRA Hazard Class:** This material would be regulated as EPA Hazardous Waste.**SECTION 14. TRANSPORT INFORMATION**

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05
Rigid Urethane Foam

Page: 5 of 6
MSDS Number: 110001

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION**US Federal Regulations****TSCA (Toxic Substances Control Act) Status**

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ
4,4'-methylenediphenyl diisocyanate	5000 lbs

SARA Title III: Section 302- Extremely Hazardous Substances

None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Diphenylmethane diisocyanate	9016-87-9	25-50
4,4'-methylenediphenyl diisocyanate	101-68-8	10-25
Methylenediphenyl diisocyanate	26447-40-5	<2.5

EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

Component	CAS Number	Percentage
4,4'-methylenediphenyl diisocyanate	101-68-8	10-25

International Regulations

EINECS (Europe)

DSL (Canada)

WHMIS Classification

Health Hazard: D2B

Physical Hazard: None

State and Local Regulations**California Proposition 65:**

This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health -2*, Flammability -1, Reactivity - 1
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use:

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/19/05

Page: 6 of 6

Rigid Urethane Foam

MSDS Number: 110001

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.