

DEMAND

P R O D U C T S I N C
R O U T E R S • H O T W I R E • F A S T W I R E • E I F S

T M

ENERFOAM 42

Material Safety Data Sheet

Section 1 • IDENTIFIERS

Emergency: 1-906-731-5141

Issue Date: February 2011

Section 2 • COMPOSITION

Chemical	CAS#	Concentration Regulated ₁	
4,4-Diphenylmethane-diisocyanate (MDI)	101-68-8	30–60%	Yes
Polymeric MDI	9016-87-9	30–60%	No
Polyether Poly Blend	Mixture ₂	15–40%	No
Chlorodifluoromethane (HCFC 22)	75-45-6	15–40%	Yes

1 - See Regulatory Section for more information.

2 - Different raw material sources.

Appearance: Off white, sticky material with mild odor.

Section 3 • HAZARDS IDENTIFICATION

Caution: Contents under pressure.

Irritancy

of Product: Irritating to eyes, skin, and respiratory tract.

Sensitizing

Properties: May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema, and/or allergies may aggravate existing conditions. Symptoms may include coughing, wheezing, and shortness of breath.

Routes of

Entry: Eye and skin contact, inhalation, ingestion.

Section 4 • FIRST AID MEASURES

Eyes: Flush with clean, low-pressure water for 15 minutes while holding eyelids open.

Skin: Remove contaminated clothing; wash skin with soap and water.

Inhalation: Remove to fresh air.

Ingestion: In case of excessive ingestion, give large amount of liquids. Do not induce vomiting.

In all cases, seek additional medical attention.

Section 5 • FIRE-FIGHTING MEASURES

Flash Point: >200°F, >93.3°C, estimated

Extinguishing

Media: Carbon Dioxide, Dry Chemical, Foam, Water

Special Protective

Media: During combustion, Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, Ammonia, and trace amounts of Hydrogen Cyanide are given off.

Section 6 • ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation.

Wear suitable personal protective clothing and equipment.

Scrape up the bulk of the spill and put into a suitable waste receptacle.

Avoid spreading the spill to other surfaces.

Loosely cover waste and set in a safe place.

Dispose of the entire container after foam is fully cured.

Section 7 • HANDLING AND STORAGE

Caution: Contents under pressure.

Avoid open flames.

Storage

Temperature: 32°–120°F, 0°–49°C

Do not incinerate aerosol can.

Section 8 • EXPOSURE CONTROLS/ PERSONAL PROTECTOR

Eyes: Wear safety goggles.

Skin: Wear protective clothing.

Respiratory: Use only in well-ventilated areas.

With insufficient ventilation, or in situations where the potential exists for exceeding the TLV, wear Self-Contained Breathing Apparatus.

Section 9 • PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: 80 PSIG (70°F, 21°C)

Specific Gravity: 1.2

VOC Content (lb/gal.): 0

Section 10 • STABILITY AND REACTIVITY

Stable under normal handling and use. Avoid water contamination, open flames, alcohols, strong bases, acids, and ammonia. Reaction may be violent at elevated temperatures.

continued ...

Section 11 • TOXICOLOGICAL INFORMATION

Concentrations of components (Section 2) must be considered to determine effects of this mixture.

MDI: LD50 15gm/kg (rat); ingestion.

Caution: Contents under pressure.

Irritancy of

Product: Irritating to eyes, skin, and respiratory tract.

Sensitizing

Properties: Acute and Chronic: May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and/or allergies may aggravate existing conditions. Symptoms may include: coughing, wheezing, and shortness of breath.

Routes of

Entry: Eye and skin contact, inhalation, ingestion.

Section 12 • ECOLOGICAL INFORMATION

Unknown

Section 13 • DISPOSAL INFORMATION

Do not puncture or incinerate.

Relieve all pressure prior to disposal.

Empty cylinders, once relieved of all pressure, can be disposed as non-hazardous waste.

Dispose of leftover chemical by following instructions under "Accidental Release Measures".

Section 14 • TRANSPORTATION INFORMATION

Consumer Commodity ORM-D

TDG (Canada): Compressed gases, N.O.S. (Nitrogen Chlorodifluoromethane), 2.2 UN1956

Section 15 • REGULATORY INFORMATION**Exposure Limits, TWA, 8-hr, mg/m***

4,4-Diphenylmethane-diisocyanate (MDI): 0.05 (0.005ppm)

Short-Term,
10-min, mg/m*: 0.2 (0.02ppm) ceiling

Chlorodifluoromethane: 3500 (1000ppm)

Regulated Chemical

4,4-Diphenylmethane-diisocyanate (MDI): SARA 311/312/313, CAA 1990 Toxic Air Pollutant

Chlorodifluoromethane: SARA 311/312/313, Canada, MA, NJ, PA