

Material Safety Data Sheet

Revision Date 22-May-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 28174
Product name Insulating Foam
Recommended Use Sealant

Supplier Lawson Products, Inc.
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Contents under pressure. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitization by skin contact. May cause an allergic reaction. Vapors may be irritating to eyes, nose, throat, and lungs.

Aggravated Medical Conditions

Allergies. Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product. Pre-existing diseases of the central nervous system. Pre-existing kidney disorders. Pre-existing liver disorders.

Principal Routes of Exposure

Eyes. Skin contact. Inhalation.

Potential health effects

Eyes Contact with eyes may cause irritation. Risk of serious damage to eyes.

Skin Harmful in contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation Harmful by inhalation. Irritating to respiratory system. May cause allergic respiratory reaction. Asthma-like symptoms. Shortness of breath. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Irregular cardiac activity. Central nervous system effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
1,1,1,2-Tetrafluoroethane	811-97-2	10-30
Polymethylene Polyphenol Isocyanate	9016-87-9	10-30
Polyurethane Resin	N/A	10-30

Methylene bisphenol isocyanate (MDI)	101-68-8	10-30
Flame Retardant	Proprietary	5-10
Methylenediphenyl diisocyanate	26447-40-5	1-5

4. FIRST AID MEASURES

General advice Immediate medical attention is required. Take off contaminated clothing and shoes immediately.

Eye contact Flush with plenty of water for at least 20 minutes. Seek medical attention immediately.

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion Call a physician or Poison Control Center immediately. Do not induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air. Administer artificial respiration if not breathing. Provide oxygen if breathing is difficult. Keep warm and quiet. Seek medical attention.

Notes to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point °C None
Flash point °F None
Method No information available

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Dry chemical. Carbon dioxide (CO₂). Water spray. Water fog. Foam.

Extinguishing media which must NOT be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards

Containers may vent or burst under extreme or prolonged fire conditions. Keep product and empty container away from heat and sources of ignition. This product is not a fire stop or fire barrier penetration sealant.

Sensitivity to shock

No .

Sensitivity to static discharge

No .

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Evacuate area of unprotected and unnecessary personnel. Place in a well ventilated area and allow to cure. Shut off source of leak if safe to do so. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

7. HANDLING AND STORAGE**Handling**

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate. Do not stick pin, nail, or any other sharp object into opening on top of can.

Storage

Keep tightly closed in a dry and cool place. Ideal storage temperature is 60 degrees F to 80 degrees F. Storage above 90 degrees F may shorten the shelf life. Store in temperatures below 120 degrees F. Store upright. Keep out of the reach of children.

NFPA Storage Code

Unknown

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
1,1,1,2-Tetrafluoroethane	-	-	-	-
Polymethylene Polyphenol Isocyanate	-	-	-	-
Methylene bisphenol isocyanate (MDI)	-	0.02 ppm 0.2 mg/m ³	0.005 ppm	-
Polyurethane Resin	-	-	-	-
Methylenediphenyl diisocyanate	-	-	-	-
Flame Retardant	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand Protection

Impervious gloves.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

Wear appropriate clothing to minimize skin contact. A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Amber
Odor	Faint Hydrocarbon-like
Odor Threshold	No information available
pH	No data available
Specific Gravity	1.2
Vapor pressure	No data available
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	Partly soluble
VOC Content	Not Applicable
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-26
Boiling point/range °F	-15
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	None
Flash point °F	None

10. STABILITY AND REACTIVITY**Stability**

Stable under recommended storage conditions.

Conditions to avoid

Avoid heat, sparks, and other sources of ignition. Do not store above 120 degrees F.

Incompatibility

Water. Alcohols. Strong bases. Strong oxidizing agents. Powdered metal (such as aluminum, magnesium, or zinc).

Hazardous Decomposition Products

Carbon oxides. Carbon dioxide. Nitrogen oxides (NOx). Hydrogen cyanide.

Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	1500 g/m ³
Polymethylene Polyphenol Isocyanate 9016-87-9	49 g/kg	9400 mg/kg	490 mg/m ³
Methylene bisphenol isocyanate (MDI) 101-68-8	9200 mg/kg	-	-
Polyurethane Resin N/A	-	-	-
Methylenediphenyl diisocyanate 26447-40-5	7400 mg/kg	6200 mg/kg	0.369 mg/L
Flame Retardant Proprietary	-	-	-

Synergistic Products None known**Potential health effects**

Sensitization	May cause sensitization .
Chronic toxicity	See Section 2 .
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	See Section 2
Carcinogenic effects	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
1,1,1,2-Tetrafluoroethane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Polymethylene Polyphenol Isocyanate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Methylene bisphenol isocyanate (MDI)	Not Listed				
Polyurethane Resin	Not Listed				
Methylenediphenyl diisocyanate	Not Listed				
Flame Retardant	Not Listed				

12. ECOLOGICAL INFORMATIONMethylenediphenyl diisocyanate**Water Flea Data**Daphnia magna EC50>1000 mg/L (24 h)**13. DISPOSAL CONSIDERATIONS****Disposal Information**

As supplied, this product is classified as non-hazardous waste according to RCRA regulations. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D

TDG

UN1956 COMPRESSED GAS, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Polymethylene Polyphenol Isocyanate	Listed
Methylene bisphenol isocyanate (MDI)	Listed
Methylenediphenyl diisocyanate	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
1,1,1,2-Tetrafluoroethane	Not Listed	Not Listed	Not Listed
Polymethylene Polyphenol Isocyanate	Not Listed	Not Listed	Not Listed
Methylene bisphenol isocyanate (MDI)	Listed	Listed	Not Listed
Polyurethane Resin	Not Listed	Not Listed	Not Listed

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Foam**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Methylenediphenyl diisocyanate	Not Listed	Not Listed	Not Listed
Flame Retardant	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
1,1,1,2-Tetrafluoroethane	X	X	-	X
Polymethylene Polyphenol Isocyanate	-	X	-	X
Methylene bisphenol isocyanate (MDI)	X	X	-	X
Polyurethane Resin	-	-	-	-
Methylenediphenyl diisocyanate	X	X	-	X
Flame Retardant	-	-	-	-

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA

Health - 2
Flammability - 1
Reactivity - 1

HMIS

Health - 2
Flammability - 1
Physical Hazard - 1

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.