

**MATERIAL SAFETY DATA SHEET**  
COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

**SECTION I - PRODUCT IDENTIFICATION**

**Product Name:** X-Pand Expandable Insulating Foam Sealant  
**Product Number:** 7073000  
**Product Type:** AEROSOL  
**Supplier's Name:** MKG Sales Associates, Inc.  
**Supplier's Address:** 130 Miller Road, Medford, NJ 08055  
**D.O.T. Hazard Class:** CONSUMER COMMODITY - ORM-D

**Formula:** Proprietary  
**Date Prepared:** 03/31/04  
**Telephone:** (609) 953-4700

**HMIS Rating** (Based on Aerosol Conc.):  
0-Minimal 1- Slight 2- Moderate  
3- Serious 4- Extreme  
HEALTH: 2 FIRE: 1 REACTIVITY: 1  
**Personal Protection:** B

**SECTION II - INGREDIENTS**

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWA/TLV
Chlorodifluoromethane	75-45-6	10-30	YES	NO	NO	1000 ppm	1000 ppm
4,4'-Diphenylmethane Diisocyanate (MDI)	101-68-8	10-30	YES	YES	NO	0.005 ppm	0.02 ppm
Higher Oligomers of MDI	9016-87-9	10-30	NO	NO	NO	N/E	N/E
Urethane Pre-Polymer Blend (proprietary non-hazardous blend)	N/A	30-60	NO	N/E	NO	N/E	N/E

**SECTION III - PHYSICAL DATA**

**Data Below Based On Aerosol Concentrate Only:**

Boiling Point: >200°F

pH: N/A

Solubility In Water: Insoluble, reacts slowly with water during curing; liberating traces of CO<sub>2</sub>

Appearance/Odor: Yellowish Viscous Liquid, Characteristic odor during curing.

**Data Below Based On Total Contents:**

Vapor Pressure of can (psig @70°F): 50 psig

Total VOC %: N/A

Vapor Density(Air=1): n/d

Specific Gravity (H<sub>2</sub>O=1)@75°F: 1.20

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flash Point** (of Concentrate Only): 800°F

**Flammability** (as per USA Flame Projection Test): Non-Flammable Spray

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Media, Halon 1211

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

**Unusual Fire and Explosion Hazards:** Exposure to temperature above 120° F may cause bursting. Cured foam is organic and, therefore, will burn in the presence of sufficient heat, oxygen and ignition.

**SECTION V - REACTIVITY DATA**

**Stability:** Material Stable.

**Hazardous Polymerization:** Will not Occur.

**Incompatibility:** Avoid alcohols, strong bases or amines and metal compounds (such as small particle metal catalysts).

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, and trace amounts of Hydrogen Cyanide, Hydrogen Fluoride and Hydrogen Chloride.

**SECTION VI - STORAGE AND HANDLING**

**KEEP OUT OF REACH OF CHILDREN.**

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

**NFPA Code 30B Rating:** Level 1 Aerosol.

**SECTION VII - HEALTH AND FIRST AID**

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:**

**Eyes:** May be irritating to eyes. Foam contact can cause physical damage due to adhesive character.

**Skin:** May cause localized irritation, reddening or swelling. Prolonged exposure may lead to sensitization and/or dermatitis.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. May irritate mucous membranes with tightness in chest, coughing, or allergic asthma-like sensitivity. Abusive or excessive inhalation of vapors can lead to respiratory symptoms like bronchitis and pulmonary edema. These effects are usually reversible.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**FIRST AID PROCEDURES:**

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Get medical attention immediately.

**Skin:** Use a rag to remove excess foam from skin and remove contaminated clothing. Use of a mild solvent, such as acetone (nail polish remover) or mineral spirits, may help in removing uncured residue foam from clothing or other surfaces. (Avoid eye contact) Cured foam may be removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If irritation persists seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**Ingestion:** Do not induce vomiting. Drink 1 to 2 large glasses of water or milk. Seek medical attention immediately. Never give anything orally to an unconscious person.

**SECTION VIII - SPECIAL PROTECTION DATA**

**Respiratory Protection:** None needed for proper use in accordance with label directions. Wear a NIOSH/ MSHA approved respirator with organic vapor cartridges if recommended exposure level is exceeded.

**Ventilation:** Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.

**Protective Gloves:** Use chemical resistant gloves and forearm coverings, such as a long sleeved shirt.

**Eye Protection:** Wear safety glasses or chemical proof goggles.

**SECTION IX - SPILL OR LEAK PROTECTION**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Uncured foam is very sticky remove immediately using acetone or mineral spirits with a rag. Once foam has cured, it can be physically removed by scraping, sanding, etc. Dispose of plastic waste (foam plastic) in accordance with Federal, State and local laws.

**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.