

## High Expansion insulating foam..space invader Polyurethane Foam Sealant

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufactured By:** Euless Plant  
10950 S. Pipeline Rd  
Euless TX 76040

**Revised:** 08/24/2007  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Adhesive  
**Formula:** Mixture

#### HMIS

Flammability: 4      Reactivity: 1      Health: 2

#### NFPA

Flammability: 4      Reactivity: 1      Health: 2

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

WARNING! Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. Contents under pressure. May cause allergic skin reaction. May cause central nervous system depression. Viscous foam; solid upon curing.

Form: Solid

Color: off-white

Odor: Fluorocarbons

#### POTENTIAL HEALTH EFFECTS

##### INGESTION

DO NOT INGEST! Ingestion of uncured product can be harmful or fatal. Can cause severe irritation and corrosion of mouth, throat, and gastrointestinal tract. Symptoms include nausea, stomach pain, diarrhea, abdominal cramps and spasms, bloody watery stools, and vomiting of hard whitish fragments of polymerized isocyanate. Product may cure in gastrointestinal tract and obstruct the passage of food and air. Other effects include slowed or irregular heartbeat, metabolic acidosis, blood disturbances, central nervous system effects, coma, and death.

##### SKIN

This product contains ingredients which may produce an allergic skin reaction. It should be treated as a skin sensitizer. Will bond skin surfaces together. Contact may cause severe irritation with redness, pain, and rash.

##### INHALATION

Harmful if inhaled. Inhalation of vapors or gas can cause respiratory tract irritation, breathlessness, wheezing, coughing, decreased pulmonary function, headache, nausea, vomiting, chest pain, and irregular heartbeat. Central nervous system depression can occur with disorientation, drunkenness, suffocation, convulsions, coma, and death. Respiratory and cardiac sensitizer. Overexposure may cause chemical pneumonitis, inflammation of the lungs, and pulmonary edema which may be fatal. Symptoms may be delayed for several hours.

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Will bond eyelids together. Contact with product, vapors, or propellant gas can be irritating and damaging to the eye.

**MEDICAL CONDITIONS AGGRAVATED**

Respiratory disorder Allergy Applies in uncured state. Central nervous system disorders.  
Cardiovascular disorders. Skin disorders.

**SUBCHRONIC (TARGET ORGAN )**

Respiratory system; Skin; Central nervous system; Immune system; Eyes

**CHRONIC EFFECTS / CARCINOGENICITY**

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**ROUTES OF EXPOSURE**

Inhalation; Dermal

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>PRODUCT COMPOSITION</b>	<b>CAS REG NO.</b>	<b>WGT. %</b>
<b><u>A. HAZARDOUS</u></b>		
Chlorodifluoromethane	75-45-6	30 - 60 %
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	30 - 60 %
Diphenylmethane Diisocyanate	101-68-8	30 - 60 %
<b><u>B. NON-HAZARDOUS</u></b>		
Proprietary Polyurethane Blend	-	60 - 90 %

**4. FIRST AID MEASURES****INGESTION**

Call a physician or Poison Control Centre immediately.

**SKIN**

Product adheres to skin. Remove contaminated clothing. Wash immediately with abrasive soap. If product cannot be removed, or allergic reaction with reddening and blistering develops, get immediate medical attention.

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### **INHALATION**

Remove to fresh air. If not breathing, begin artificial respiration using a barrier device. Because of chemical properties, do not use mouth-to-mouth contact. Obtain medical attention.

### **EYES**

Immediate medical attention is required. Flush eyes with large amounts of water for at least 15 minutes.

## **5. FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	426.66 °C; 800 °F
<b>IGNITION TEMPERATURE:</b>	Not applicable
<b>FLAMMABLE LIMITS IN AIR - LOWER (%):</b>	Not applicable
<b>FLAMMABLE LIMITS IN AIR - UPPER (%):</b>	Not applicable

### **SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is expected.

### **EXTINGUISHING MEDIA**

Water, Foam, Carbon dioxide (CO2), Dry chemical, Halogenated agents

### **SPECIAL FIRE FIGHTING PROCEDURES**

Extremely flammable., Polymerization may take place during a fire due to elevated temperature where closed containers could violently rupture., Toxic hydrogen cyanide can be liberated under burning conditions, Containers can build up pressure if exposed to heat (fire)., Treat as a pressurized container., Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing., Cool closed containers exposed to fire with water spray.

## **6. ACCIDENTAL RELEASE MEASURES**

### **ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Wear suitable protective equipment.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Avoid contact with skin and eyes. Use only in well-ventilated areas. Avoid inhalation of vapour or mist. Curing releases vapors which may be harmful. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation. Good hygienic practices should be observed. Work clothes should be washed separately at the end of

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each work day. Disposable clothing should be discarded with material. Store between 40 F and 120 F. Do not store where temperatures may exceed 120 F. If temperature is less than 40 F, contents may separate. Shake can to mix. Keep away from children.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Eyewash stations

#### RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

#### PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

#### EYE AND FACE PROTECTION

Safety glasses with side-shields

#### OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and gloves.

#### Exposure Guidelines

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
Chlorodifluoromethane	75-45-6	ACGIH, TWA	1,000 ppm

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT - C &amp; F:</b>	93.33 °C; 200 °F
<b>FREEZING POINT:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Solid
<b>ODOR:</b>	Fluorocarbons
<b>COLOR:</b>	off-white
<b>SPECIFIC GRAVITY (WATER=1):</b>	ca. 1.20
<b>DENSITY:</b>	ca. 1,200 g/cm <sup>3</sup>

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ACID / ALKALINITY (MEQ/G):	Not applicable
pH:	Not applicable
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	No data available
VOC EXCL. H2O & EXEMPTS (G/L):	0

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable

#### HAZARDOUS POLYMERIZATION

Will not occur

#### HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO<sub>2</sub>); Carbon monoxide; Hydrogen cyanide (hydrocyanic acid); Oxides of nitrogen.

#### INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid amines. Bases Alcohols. Finely powdered metals.

#### CONDITIONS TO AVOID

freezing Keep away from heat and sources of ignition.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE ORAL

Remarks: Unknown

#### ACUTE DERMAL

Remarks: Unknown

#### ACUTE INHALATION

Remarks: Unknown

#### OTHER

None.

#### MUTAGENICITY

Unknown

#### OTHER EFFECTS OF OVEREXPOSURE

None known.

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### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

No data available

### 13. DISPOSAL CONSIDERATIONS

#### DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**IMDG SHIPPING NAME:** LTD QTY - AEROSOLS  
**CLASS:** 2  
**IMDG-LABELS:** 2  
**UN NUMBER:** UN1950  
**PACKING GROUP:**  
**EMS No:** 2-13;

### 15. REGULATORY INFORMATION

#### Inventories

Canada DSL Inventory	y (Positive listing)	On TSCA Inventory
TSCA list	y (Positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	n (Negative listing)	
Korea Existing Chemicals Inventory (KECI)	n (Negative listing)	
China Inventory of Existing Chemical Substances	n (Negative listing)	
Australia Inventory of Chemical Substances (AICS)	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	n (Negative listing)	

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

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### US Regulatory Information

#### **CERCLA**

Reportable quantity: 16,666.666667 lbs

#### **PRODUCT COMPOSITION**

#### **Chemical**

#### **CERCLA Reportable Quantity**

#### **SARA (311,312) HAZARD CLASS**

Acute Health Hazard

#### **SARA (313) CHEMICALS**

9016-87-9, Isocyanic acid, polymethylenepolyphenylene ester101-68-8, Diphenylmethane Diisocyanate

### Canadian Regulatory Information

#### **WHMIS HAZARD CLASS**

A COMPRESSED GAS, D2B TOXIC MATERIALS

#### **CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

## **16. OTHER INFORMATION**

#### **OTHER**

C = ceiling limit      NEGL = negligible   EST = estimated      NF = none found   NA = not applicable      UNKN = unknown   NE = none established      REC = recommended   ND = none determined      V = recommended by vendor   SKN = skin      TS = trade secret   R = recommended      MST = mist   NT = not tested      STEL = short term exposure limit ppm = parts per million      ppb = parts per billion By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.