

**Section 1: IDENTIFICATION**

GSH Product Identifier: Insulthane Edge Doors and Windows  
Other means of Identification: None

Relevant Identified uses of the substance or mixture and uses advised against

Product Use: Polyurethane foam  
Area of Application: Foam Sealant  
Supplier/Manufacturer: Elastochem Specialty Chemicals Inc.  
37 Easton Road  
Brantford, Ontario N3P 1J4  
Phone (519) 754-1678 Fax (519) 754-4487  
Emergency Telephone #: Chemtrec Emergency Number: 800-424-9300

**Section 2: Hazard Identification****Classification of the substance or mixture:**

Aerosols - Category 1  
Acute Toxicity (Inhalation) - Category 4  
Skin Corrosion/Irritation - Category 2  
Sensitization (Skin) - Category 1  
Sensitization (Respiratory) - Category 1  
Serious Eye Damage/Eye Irritation - Category 2A  
Specific target organ toxicity - repeated exposure -Category 1

GHS label elements

Signal word: Danger

Pictogram:



Hazard Statements: Extremely flammable aerosol. Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray  
Use in a well ventilated area  
Wash thoroughly after handling  
Wear protective gloves

Hazards not otherwise classified identified during the classification process: Not available

**Section 3: Composition/information on ingredients**

Substance/mixture: Mixture

Other means of identification: Not available

Ingredient Name	Concentration	Identification Number
C14 alkanes, chlorinated- (chlorinated paraffin)	10-30%	198840-65-2
Polymeric diphenylmethane diisocyanate	10-30%	9016-87-9
4,4' diphenylmethane diisocyanate (MDI)	10-30%	101-68-8
propane	1-5%	74-98-6
iso-butane	3-7%	75-28-5
dimethyl ether	3-7%	115-10-6

**Section 4: FIRST AID MEASURES**Description of necessary first aid measures

**Skin:** Clean exposed area with soap and warm water. Continue to rinse for at least 10 minutes. Remove contaminated clothing. Wash clothes before reuse. Seek medical attention if irritation persists.

**Eyes:** Immediately flush thoroughly with water for at least 15 minutes lifting eye lids occasionally. Seek medical attention immediately.

**Inhalation:** Remove victim to fresh air; give artificial respiration if not breathing. Seek medical attention.

**Ingestion:** Wash mouth out with water and drink a glass of water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting. Seek medical attention immediately.

Most important symptoms/effects, acute and delayedPotential acute health effects

The product causes severe skin burns and serious eye damage.

Over exposure signs/symptoms

Skin Contact: Not available

Eye Contact: Not available

Inhalation: Not available

Ingestion: Not available

Delayed and Immediate effects and also chronic effects from short and long term exposure

Short Term Exposure: Not available

Long Term Exposure: Not available

Notes to Physician: Treat symptomatically.

Specific Treatments: None

Protection of first aiders: No action shall be taken involving any personal risk or without suitable training. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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#### Section 5: FIRE FIGHTING MEASURES

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**Means of Extinction:** Use extinguishing agent suitable for the surrounding fire. Suitable extinguishing media: Use dry chemical, Carbon Dioxide, water spray or alcohol resistant foam.

**Specific hazards arising from the chemical:** When heated to high temperatures decomposes rapidly generating vapour which pressures and may then rupture containers with release of flammable and highly toxic isocyanate vapour.

**Hazardous combustion products:** May produce dioxide, isocyanates, hydrogen cyanide and minor amounts of hydrogen chloride, phosgene, and nitrogen oxides.

**Special protective equipment and precautions for fire-fighters:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training. Fire fighters should wear appropriate protective equipment and self contained breathing apparatus with a full face piece operated in positive pressure mode. Move undamaged containers from immediate hazard area if it can be done safely. Warning: Aerosol containers may present pressure related hazards.

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#### Section 6: ACCIDENTAL RELEASE MEASURES

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**Spill Procedure:**

Clean up personnel must wear protective equipment to prevent contact with the product. Evacuate the area of all unnecessary personnel. Stop spill at source. Use inert absorbent material such as sand, clay, earth or floor absorbent to clean up spill. Shovel into drums.

**Personal Precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Wear personal protection equipment.

Remove persons to safety. Do not breathe vapours or spray mist.

**Methods and material for containment and cleaning up:**

Suitable material for taking up: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Wash with plenty of water.

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#### Section 7: HANDLING AND STORAGE

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**Precautions for safe handling:**

**Protective Measures:**

Put on appropriate personal protective equipment. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation or wear an appropriate respirator. Keep in the original container and keep tightly closed when not in use.

**Advice on general occupational hygiene:**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands before, eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:**

Store product in accordance with local regulation. Store product at room temperature away from heat and moisture. Store product in original container in a dry, cool, and well ventilated area with local exhaust. Keep away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use.

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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS**

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**Appropriate Engineering Controls**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, etc) below recommended exposure limits. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not breathe dust/fume/gas/mist/vapours.

**Individual Protection Measures**

**Eye Protection:** When directly handling liquid product, eye protection is required, such as chemical safety goggles with side shields or chemical safety goggles with side shields in combination with a full face shield when there is a greater risk of splash.

**Protection for skin:** Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact.

**Protection for hands:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling this product. For example, nitrile rubber, butyl rubber, neoprene and PVB

**Respiratory Protection:** Spraying increases the risk of hazardous exposure. In atmospheres where the material is sprayed, workers should avoid contact with aerosols through proper engineering controls such as exhaust ventilation and proper protective equipment such as a full face air supplied respirator, Type KAX-P filter or sufficient capacity.

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance & Colour: Not available	Vapour Pressure: Not available
Physical State: Compressed gas	Vapour Density: Not available
Odour: Not available	Relative Density: Not available
Odour Threshold: Not available	Solubility in water: Immiscible
pH: Not available	Partition coefficient: Not available
Melting Point/Freezing Point: Not available	Auto Ignition Temp: Not available
Initial Boiling Point: Not available	Decomposition Temp: Not available
Flash Point: -104°C	VOC g/L: 165
Evaporation Rate: Not available	Specific Gravity: Not available
Flammability: Highly flammable	

**Section 10: STABILITY AND REACTIVITY**

**Chemical Stability:** This is a stable material at room temperature.

**Possibility of Hazardous Reactions:** Not available.

**Conditions to avoid:** High temperatures, open flames and sparks.

**Incompatibility (Materials to avoid):** oxidizers, aluminum hydride, lithium aluminum hydride, strong acids, alkali metals, metal salts, acetylene, halogens and nitrous oxides.

**Hazardous decomposition Products:** Carbon dioxide, isocyanates, hydrogen cyanide, hydrogen chloride, phosgene, and nitrogen oxides.

**Section 11: TOXICOLOGICAL INFORMATION**

No results of animal experiments with this mixture are available.

Information on toxicological effects

Acute Toxicity:

No information available

Irritation:

Skin Irritation: Causes skin irritation and inflammation.

Eye Irritant: Causes eye irritation.

Respiratory Irritation: Causes respiratory irritation.

Sensitization:

No information available

Repeated dose toxicity:

No information available

Carcinogenicity:

No information available.

Mutagenicity:

Toxicity to reproduction:  
No information available.

#### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available  
**Persistence and Degradability:** Not available  
**Bioaccumulative Potential:** Not available  
**Mobility in Soil:** Not available  
**Other adverse effects:** Not available

#### Section 13: DISPOSAL CONSIDERATIONS

**Disposal Procedure:**  
Comply with Federal, provincial, and local regulations on reporting releases.  
Consult your local or regional authorities.

#### Section 14: TRANSPORT INFORMATION

**TDG (TRANSPORTATION OF DANGEROUS GOODS) CLASSIFICATION:** UN1950  
**Proper Shipping Name:** Aerosols  
**Class:** 2.1      **Packing Group:** Not applicable  
**Special Precautions:** Not available

#### Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:  
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

#### Section 16: OTHER INFORMATION

**References:** Canadian Guide of the Law and Regulations of the Transportation of Dangerous Goods. Controlled products regulations. Manufacturer's Safety Data Sheet.  
**Regulatory Affairs Department:** 519-754-1678  
**DATE:** June 2, 2025      **REVISION 1**  
**PREPARED BY:** Regulatory Affairs group,  
Elastochem Specialty Chemicals Inc.