

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Elastochem - Insulthane Evolution Part B  
**Chemical Name:** Polymeric Resin  
**Manufacturer:** Elastochem Specialty Chemicals Inc.  
37 Easton Road  
Brantford, Ontario N3P 1J4  
Phone (519) 754-1678 Fax (519) 754-4487

**Supplied by:** Elastochem Specialty Chemicals Inc.  
**Emergency Telephone #:** Chemtrec Emergency Number: 800-424-9300  
**Intended use of Product:** Component of a Foam Insulation System

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	Approximate Concentration	CAS #	Exposure Limits	LD50/LC50
Hydrofluoro-carbon	7-13%	460-73-1	Not available	>20 000ppm 4hr (rat) / Not available
2-Propanol, 1-propoxy	1-5%	1569-01-3	Not available	LD50 : 2,504 mg/kg (rat) / not available

Consult local authorities for acceptable exposure limits

Section 3: HAZARDS IDENTIFICATION

**Routes of Entry:** Eye contact, Skin contact, Ingestion, Inhalation.  
**Acute Effects:**

**Eye Contact:** Causes eye irritation. May cause temporary fogging of the eyes.

**Skin Contact:** Causes skin irritation.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Chronic Effects:** Overexposure to vapour may cause central nervous system depression. Overexposure may cause irregular heartbeat. Chronic exposure may cause blood disorders. Chronic ingestion may cause kidney and liver damage.

See toxicological information (section 11)

**Section 4: FIRST AID MEASURES**

**Skin:** Clean exposed area with soap and water. Remove contaminated clothing and seek medical attention if irritation develops.

**Eyes:** Immediately flush thoroughly with water for at least 20 minutes lifting eye lids occasionally. Consult a physician if irritation continues.

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

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Section 5: FIRE FIGHTING MEASURES**

**Means of Extinction:** Carbon dioxide, dry chemical, foam. In case of larger fires, water spray should be used.

**Special Fire Fighting Procedures:** Firefighter should be equipped with self contained breathing apparatus to protect against potentially toxic and irritating fumes. Cool fire exposed containers with cold water spray.

**Flashpoint:** Not available.

**Flammable Limits LEL (%):** Not available

**Flammable Limits UEL (%):** Not available

**Auto Ignition Temperature:** Not available.

**Hazardous Combustion Products:** May produce carbon dioxide, carbon monoxide, oxides of nitrogen. Dense black smoke. Other potentially toxic fumes.

**Sensitivity to Mechanical Impact:** Not applicable.

**Sensitivity to Static Discharge:** Not applicable.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Spill or leak Procedure:**

Evacuate all non essential personnel. Utilize recommended protective clothing. Avoid breathing vapours and skin contact. Dike area to prevent spreading. Cover spill with inert material and collect for proper disposal. Wash area with soapy water and rinse. Prevent runoff into drains, sewers, and other waterways.

**Section 7: HANDLING AND STORAGE**

**Handling & Storage:**

Store in a cool dry place away from any source of ignition. Handle in a well ventilated area with local exhaust. Wear all personal protective equipment. Storage temperature (Min/Max: 18/29°C).

**Special Shipping information:** None

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

**Personal Protective Equipment:** Safety glasses, chemical resistant gloves, protective clothing.

**Ventilation:** Local exhaust ventilation is recommended to prevent overexposure.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Odour: Amine Odour	Vapour Density: Not Available
Appearance: Brown Liquid	Evaporation Rate: Not Available
Physical State: Liquid	Vapour Pressure: Not Available
Odour Threshold: Not Available	Solubility in Water: Not Soluble
Specific Gravity: 1.20g/mL	% Volatile by Volume: Not Available
Freezing Point: Not Available	
Viscosity: 350-800 cps	
Boiling Point: Not Available	
N/A - Not Available	

Section 10: STABILITY AND REACTIVITY

**Chemical Stability:** Product is stable under normal conditions.

**Conditions to avoid(if unstable):** High temperatures, open flames and sparks.

**Incompatibility (Materials to avoid):** Oxidizing agents, isocyanates.

**Hazardous decomposition Products:** Carbon Monoxide, carbon dioxide, oxides of nitrogen. Dense black smoke. Other potentially toxic fumes.

**Hazardous Polymerization:** Polymerization will not occur.

Section 11: TOXICOLOGICAL INFORMATION

**LD50:** Not available

**LC50:** Not available

**Carcinogenicity:** The components of this product are not listed by IARC, NTP or regulated as a carcinogen by OSHA.

**Teratogenicity:** Not available.

**Reproductive Effects:** Not available.

**Mutagenicity:** Not available.

Section 12: ECOLOGICAL INFORMATION

Fish toxicity: Not available

Biodegradability: 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:** Not Regulated

Section 15: REGULATORY INFORMATION

**WHMIS CLASSIFICATION:** D2A, D2B  
**Domestic Substance List (DSL):** yes

Section 16: OTHER INFORMATION

**References:** Canadian Guide of the Law and Regulations of the Transportation of Dangerous Goods. Controlled products regulations. Manufacturer's Material Safety Data Sheet. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Other special considerations:** No additional remark

**Regulatory Affairs Department:** 519-754-1678

**DATE:** February 5, 2018

**REVISION 1**

**PREPARED BY:** Regulatory Affairs group,  
Elastochem Specialty Chemicals Inc.