

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Proline Plus™ 500, Part B
Chemical Name:	Polymeric Resin
Manufacturer:	Elastochem Specialty Chemicals Inc. 37 Easton Road Brantford ON N3P 1J4 Phone (519) 754-1678 Fax (519) 754-4487
Supplied by:	Winroc
Emergency Telephone #:	Chemtrec Emergency Number: 800-424-9300
Intended Use of Product:	Component of a Foam Insulation System.

2: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	% (w/W)	CAS #	Exposure Limit	LD50/LC50
Dimethylamino ethoxyethanol	0–5%	1704-62-7	Not available.	2 337 mg/kg (oral-rat) 1 000 mg/l 4hr (inhalation-rat)
1,3-Propane diamine N'-(3-(dimethylamino)propyl)- N,Ndimethyl	0–5%	6711-48-4	Not available	>1.25g/kg (oral-rat) Not determined.

Consult local authorities for acceptable exposure limits.

3: HAZARDS IDENTIFICATION

Routes of Exposure:	Inhalation, skin contact, eye contact.
Acute Effects	
Skin Contact:	May cause severe skin irritation.
Eye Contact:	May cause severe eye irritation.
Ingestion:	Toxicity is low.
Inhalation:	May irritate the respiratory tract and lungs, cause sore throat, and tightness of chest.
Chronic Effects:	May cause severe skin and eye irritation and adverse respiratory effects.

See toxicological information (section 11).

4: FIRST AID MEASURES

Skin:	Wash area with soap and water, seek medical attention if irritation develops.
Eyes:	Immediately flush thoroughly with water for at least 15 minutes. Get prompt medical attention.
Inhalation:	No exposure expected. Remove to fresh air.
Ingestion:	If conscious, give victim 2 glasses of water. Never give anything to an unconscious person. Get medical attention immediately.

5: FIRE FIGHTING MEASURES

Extinguishing Media:	Use water spray, foam, dry chemical, or CO ₂ . Water spray to cool fire-exposed containers.
Fire Fighting Procedures:	Self-contained breathing apparatus is required in confined spaces. Cool exposed containers with water.
Flash Point:	141°C (PMCC)
Lower Explosion Limit:	Not available.
Upper Explosion Limit:	Not available.
Auto Ignition Temperature:	Not available.
Hazardous Combustion Products:	Oxides of carbon and nitrogen.
Sensitivity to Mechanical Impact:	No.
Sensitivity to Static Discharge:	No.

6: ACCIDENTAL RELEASE MEASURES

Spill Procedure:	Evacuate the area of all unnecessary personnel. Remove all sources of ignition. Ventilate area. Dike the spill to prevent entry into water system. Wear suitable protective equipment as listed in section 8, including respiratory protection. Use inert absorbent material to clean up spill.
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7: HANDLING AND STORAGE

Handling & Storage:	Store away from heat and moisture. Store and handle in a well-ventilated area. Wear all personal protective equipment when handling..
Special Shipping Information:	None.

8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

Respiratory Protection::	Use adequate ventilation. In poorly ventilated areas, a cartridge respirator for organic vapours is recommended. For large spills or fires a self-contained breathing apparatus is recommended.
Skin Protection:	Wear neoprene or butyl rubber gloves, boots and long sleeves.
Eye Protection:	Chemical safety goggles or glasses with side shields.
Ventilation:	Adequate ventilation to maintain levels below exposure guidelines.

Eye wash and safety equipment should be readily available.

9: PHYSICAL AND CHEMICAL PROPERTIES

Odour:	Light ammonia.
Appearance:	Milky white liquid.
Odour Threshold:	No data.
Specific Gravity (H₂O = 1):	1.1 @ 25°C.
Freezing Point:	0°C.
Viscosity:	1 000 cps @ 25°C.
Boiling Point:	212°C.
Vapour Pressure (mm Hg):	Not available.
% Volatile by Volume:	20–30% (H ₂ O)
Vapour Density (Air = 1):	Not available.
Evaporation Rate (BuAc = 1):	Not available.
Solubility in Water:	Miscible.

10: STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature and normal processing conditions.
Conditions to Avoid:	High temperature, sparks and open flame.
Incompatibility (materials to avoid):	Reacts with strong acids and isocyanates.
Hazardous Decomposition Products:	Oxides of nitrogen and carbon.
Hazardous Polymerization:	Polymerization may occur with contact with isocyanates.

11: TOXICOLOGICAL INFORMATION

LD50:	Oral-rat >1 360 mg/kg.
LD50:	Dermal-rabbit >260 mg/kg.
Carcinogenicity:	Not suspected to be carcinogenic.
Teratogenicity/Reproductive Effects:	Not available.
Mutagenicity:	Not available.
Toxicologically Synergistic Products:	None known.

12: ECOLOGICAL INFORMATION

No ecological information available.

13: DISPOSAL CONSIDERATIONS

Disposal Procedure: Comply with federal, provincial and local regulations on reporting releases.

Consult local or regional authorities.

14: TRANSPORT INFORMATION

TDG (Transportation of Dangerous Goods) Classification: Not regulated.

Class: Not regulated.

15: REGULATORY INFORMATION

WHMIS Classification: Not classified.

Domestic Substance List (DSL): No.

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: (905) 335-5012

Date: October 16, 2013 (Revision 1)

Revision 1 Prepared by: Regulatory Affairs Group, Winroc.