

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** DER 736. Catalogue # C048.  
**Other Names:**  
**Recommended Use:** Epoxy Resin.

**Supplier Name:** ProSciTech  
**Postal Address:** PO Box 111, Thuringowa Central Qld. 4817 Australia  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444  
**Fax Number:** (07) 4773 2244  
**Emergency Contact:** (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Hazardous according to criteria of NOHSC.  
**Risk Phrases:**  
**Safety Phrases:**

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**SUBSTANCE:**  
**Chemical Identity:** DER 736  
**Common Name(s):** Polymer of epichlorohydrin-polyglycol.  
**CAS Number(s):** 041638-13-5

### MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Polymer of epichlorohydrin-polyglycol	041638-13-5	100

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** Seek immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

**Eye:** Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

**Skin:** Wash off material with plenty of running water. If irritation occurs/persists seek medical attention.

**Inhaled:** Remove person to fresh air. Seek medical attention.

**First Aid Facilities:** Safety shower, eyebath.

**Medical Attention & Special Treatment:**  
 If burn is present treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog or fine spray, carbon dioxide, dry chemical or foam. Alcohol resistant foams are preferred. Water fog applied gently may be used to blanket the fire. DO NOT use direct water stream, it may spread the fire. Smoke containing, but not limited to: Carbon monoxide, carbon dioxide.

**Hazards from Combustion Products:**

**Precautions for Fire Fighters:** Keep people away, isolate fire area and deny unnecessary entry. Burning liquids may be moved by flushing water to protect personnel and minimise property damage. Wear positive-pressure self-contained breathing apparatus, protective clothing (helmet, coat, pants, boots and gloves). If protective equipment is unavailable fight fire from a protected location or safe distance.

**Hazchem Code:**

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures:</b>	Clear non-emergency personnel from the area. Contain the material to prevent contamination of soil, surface water and ground water.
<b>Containment and clean up:</b>	Absorb with an inert material (e.g. sand). Collect material in suitable containers. Residual can be removed using steam or hot soapy water. Solvents are not recommended for cleanup unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult the appropriate solvent MSDS for this information.

**SECTION 7 - HANDLING & STORAGE**

<b>Precautions for Safe Handling:</b>	Keep containers tightly closed when not in use.
<b>Conditions for Safe Storage:</b>	Minimise contact with material by using appropriate protection equipment.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>National Exposure Standards:</b>	No exposure standard allocated.
<b>Biological Limit Values:</b>	No biological limit allocated.
<b>Engineering Controls:</b>	Use in a well ventilated area, preferably ventilated with a local exhaust system.
<b>Personal Protective Equipment:</b>	Wear chemical goggles, gloves, boots, apron or full-body suit and (if necessary) use an approved air-purifying respirator.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	Near water white liquid.
<b>Odour:</b>	Slight ethereal scent.
<b>pH:</b>	Not available.
<b>Vapour pressure:</b>	5-6mmHg at 20°C
<b>Vapour density:</b>	Not available.
<b>Boiling point/range:</b>	>225°C at 760mmHg.
<b>Freezing/melting point:</b>	Not available.
<b>Solubility:</b>	Not available.
<b>Specific gravity or density:</b>	1.14.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Additional Information:</b>	Viscosity: 30-60 cps at 25°C.

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	
<b>Incompatible Materials:</b>	Avoid contact with amines, acids, bases and oxidising materials.
<b>Hazardous Decomposition Products:</b>	Smoke containing, but not limited to: Carbon monoxide, carbon dioxide.
<b>Hazardous Reactions:</b>	Will not occur by itself, but masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerisation with considerable heat build up.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Acute and chronic health effects:</b>	Skin: LD50 rabbits >2000mg/kg. Ingestion: oral LD50 rats >2000mg/kg. Mutagenicity: In vitro mutagenicity tests have been positive.
<b>Possible routes of exposure:</b>	Skin/eye contact, inhalation, ingestion.
<b>Range of effects following exposure:</b>	Eye: may cause irritation with corneal injury. Skin: may cause skin irritation, repeated or prolonged exposure may cause skin burns. Inhalation: irritation to the respiratory tract.
<b>Dose likely to cause injury:</b>	
<b>Delayed effects:</b>	
<b>Relevant negative data:</b>	

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** Slightly toxic to fish and aquatic invertebrates (LC50, 10-100mg/L).  
**Persistence and degradability:** Not readily biodegradable.  
**Mobility:**  
**Additional Information:**

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with Federal, State and Local laws and regulations.

**Special Precautions:**

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:**  
**UN Proper Shipping Name:**  
**Class and Subsidiary risk:**  
**Packing Group:**  
**Special Precautions for User:**  
**Hazchem Code:**

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None allocated

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 16 April 2008

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