

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** Entellan® New, mounting medium.  
Catalogue numbers IM022, IM0225.

**Other Names:** RESIN SOLUTION

**Recommended Use:** Solution in organic solvent  
General laboratory reagent.

**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:** R10-20/21-38  
Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

**Safety Phrases:** S25-36/37  
Avoid contact with eyes. Wear suitable protective clothing and gloves.

## SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

### SUBSTANCE:

**Chemical Identity:** Xylene, mixture of isomers

**Common Name(s):**

**CAS Number(s):** 1330-20-7

### MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Xylene, mixture of isomers	1330-20-7	>50%

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** Wash out mouth thoroughly with water and give plenty of water to drink. If swallowed, do NOT induce vomiting. OBTAIN MEDICAL ATTENTION. Contact a doctor or Poisons Information Centre. Phone 13 1126.

**Eye:** Hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Skin:** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

**Inhaled:** Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

**First Aid Facilities:** Safety shower. Eyewash facilities.

**Medical Attention & Special Treatment:** Treat symptomatically.

**ADDITIONAL INFORMATION:** For advice, contact a doctor or Poisons Information Centre. Phone 13 1126.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Foam, dry powder, carbon dioxide or vaporising liquids.

**Hazards from Combustion Products:**

**Precautions for Fire Fighters:** Avoid contact with material. Wear full protective gear and self-contained breathing apparatus.

**Hazchem Code:** 3Y

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Emergency Procedures:

#### Containment and clean up:

Shut off all sources of ignition. Wear appropriate protective clothing. Absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages. Further ecologic data: Do not allow to enter waters, waste water, or soil!

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Take precautions against static discharge. All electrical equipment must be flameproofed. Avoid generation and inhalation of vapour. Avoid skin and eye contact. Wash hands and face after handling the substance.

### Conditions for Safe Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### National Exposure Standards:

TWA - 80ppm, 350mg/m<sup>3</sup>  
STEL - 150ppm, 655mg/m<sup>3</sup>

### Biological Limit Values:

No biological limit allocated.

### Engineering Controls:

Ventilation: Flame-proof fume cupboard. Required when vapours/aerosols are generated. Mechanical extraction sufficient to maintain the airborne concentration below the recommended exposure level.

### Personal Protective Equipment:

As appropriate to quantity handled.  
Respirator: Required when vapours/aerosols are generated. Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.  
Gloves: Nitrile  
Eye Protection: Goggles or face-shield  
Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

### Appearance:

Colourless liquid.

### Odour:

Xylene smell.

### pH:

Not applicable

### Vapour pressure:

< 8 hPa, 20°C

### Vapour density:

3.66

### Boiling point/range:

137-143°C

### Freezing/melting point:

Not applicable

### Solubility:

Immiscible or insoluble in water.

### Specific gravity or density:

0.95

### Flash Point:

~23°C (open cup)

### Flammable (explosive) limits:

Upper limit 8%.  
Lower limit 1.1%.

### Ignition temperature:

> 250°C

### Additional Information:

Viscosity: 250-600 mPa's, 20

## SECTION 10 - STABILITY AND REACTIVITY

### Chemical stability:

Stable under normal storage and handling conditions.

### Conditions to avoid:

Avoid heating. Incompatible with light metals, various plastics, rubber.

### Incompatible Materials:

Oxidising agents, concentrated sulfuric acid, nitric acid, uranium hexafluoride, sulfur.

### Hazardous Decomposition Products:

### Hazardous Reactions:

Flammable.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Acute and chronic health effects:</b>	Acute toxicity: Quantitative data on the toxicity of this product are not available.
<b>Possible routes of exposure:</b>	Inhalation, ingestion, skin and/or eye contact.
<b>Range of effects following exposure:</b>	Properties that are anticipated on the basis of the toxicological main component. After inhalation: Absorption. Inhalation may lead to the formation of oedemas in the respiratory tract. After skin contact: Irritation. Danger of skin absorption. Degreasing effect on the skin, possibly followed by secondary inflammation. After long term exposure to the chemical: dermatitis. After eye contact: Slight irritation. After swallowing: Gastrointestinal symptoms. The substance may pose a risk of aspiration. Passage into the lung (as a result of vomiting) can result in a condition (chemical pneumonitis) resembling pneumonia. After absorption of toxic quantities: Drowsiness, dizziness, euphoria, excitation, spasms, in certain circumstances narcosis. Effect potentiated by ethanol.
<b>Dose likely to cause injury:</b>	
<b>Delayed effects:</b>	
<b>Relevant negative data:</b>	No evidence of carcinogenic properties. No evidence of mutagenic properties. No evidence of reproductive effects.

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Quantitative data on the ecological effect of this product are not available.
<b>Persistence and degradability:</b>	
<b>Mobility:</b>	
<b>Additional Information:</b>	Further ecologic data: Do not allow to enter waters, waste water, or soil!

**SECTION 13 - DISPOSAL CONSIDERATIONS**

<b>Disposal Methods:</b>	Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling
<b>Special Precautions:</b>	

**SECTION 14 - TRANSPORT INFORMATION**

<b>UN Number:</b>	UN1866
<b>UN Proper Shipping Name:</b>	Resin Solution
<b>Class and Subsidiary risk:</b>	3
<b>Packing Group:</b>	III
<b>Special Precautions for User:</b>	
<b>Hazchem Code:</b>	3Y

**SECTION 15 - REGULATORY INFORMATION**

<b>Poison Schedule Number:</b>	None allocated
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**SECTION 16 - OTHER INFORMATION**

Date of preparation of MSDS: September 2009

*Key to Hazard Symbols:*

*Xn=Harmful, Xi=Irritant, T=Toxic, T+=Very Toxic,  
C=Corrosive, F=Flammable, F+=Very Flammable,  
E=Explosive, N=Dangerous for the Environment,  
H=NOHSC undefined hazardous substance*

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