

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Formvar solution 0.5% in ethylene dichloride. Catalogue # C064S.
Other Names:
Recommended Use: For the preparation of thin support films.

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: Formvar solution 0.5% in ethylene dichloride.
Common Name(s): Formvar 15/95E Resin. 1,2-dichloroethane.
CAS Number(s): 63450-15-7, 107-06-2

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Formvar 15/95E Resin	63450-15-7	0-3
1,2-dichloroethane	107-06-2	97-100

SECTION 4 - FIRST AID MEASURES

Swallowed: Call local poison control centre for assistance. Seek immediate medical attention.

Eye: Rinse with plenty of water for at least 15 minutes. Seek medical attention.

Skin: Wash affected area with plenty of water for at least 15 minutes. Seek medical attention.

Inhaled: Remove to fresh air. If not breathing give mouth-to-mouth resuscitation. Seek immediate medical attention.

First Aid Facilities: Safety shower, eye bath.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide or dry chemical for small fires. Ordinary foam for large fires.

Hazards from Combustion Products: Concentrated vapours can be ignited by high intensity heat source or flame.

Precautions for Fire Fighters: Wear full protective clothing and self-contained breathing apparatus. Keep fire exposed containers cooled to prevent bursting.

Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up: Remove sources of ignition, absorb spilled material in an absorbent material and remove to a safe location for waste disposal.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:	Use appropriate protective equipment.
Conditions for Safe Storage:	Store in cool dry area away from sources of ignition and incompatible materials.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated.
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Use in a well ventilated area. Mechanical exhaust advised.
Personal Protective Equipment:	Use an approved respirator, impervious gloves, goggles or a face shield.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid.
Odour:	Ether-like odour.
pH:	Not available.
Vapour pressure:	83.38 at 20°C.
Vapour density:	3.4 (air = 1).
Boiling point/range:	83.5°C.
Freezing/melting point:	MP: -35.66°C.
Solubility:	0.81% in water at 20°C.
Specific gravity or density:	1.253 at 20°C.
Flash Point:	13°C.
Flammable (explosive) limits:	Lower = 6.2; Upper = 16.0
Ignition temperature:	412°C
Additional Information:	Evaporation Rate: 0.3 (ether = 1).

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable.
Conditions to avoid:	Heat, sparks, open flame, open containers, poor ventilation, and moisture.
Incompatible Materials:	Strong oxidising agents, active metals and strong alkaline solutions.
Hazardous Decomposition Products:	Incomplete combustion can generate phosgene, hydrogen chloride and other toxic vapours.
Hazardous Reactions:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	
Possible routes of exposure:	Skin/eye contact, ingestion, inhalation.
Range of effects following exposure:	INHALATION: Irritation to respiratory tract, nausea, vomiting, drowsiness, diarrhea, headache, dizziness, unconsciousness and even death (in extreme cases). SKIN: Prolonged or repeated exposure can cause irritation and dermatitis through dilapidation of skin. EYE: Pain and irritation with corneal injury possible. INGESTION: Burning of throat and mouth and gastrointestinal distress. Liver damage can occur.
Dose likely to cause injury:	
Delayed effects:	
Relevant negative data:	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	
Persistence and degradability:	
Mobility:	
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:	Contact a licensed professional waste disposal service to dispose of this material. Observe all Federal, State and Local regulations and laws.
Special Precautions:	

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN1184
UN Proper Shipping Name: Flammable Liquid
Class and Subsidiary risk: 3
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: 24 September 2007
