

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Formvar 15/95 resin.
Catalogue Number: C064
Other Names: Polyvinyl formal resin.
Recommended Use: For the preparation of thin support films.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:
 Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].

Hazardous and/or Dangerous Nature:
 NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Risk Phrases:
 Not available.

Safety Phrases:
 Not available.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):

Chemical Identity: Formvar 15/95 Resin
Common Name(s): Polyvinyl formal resin.
CAS Number: 63450-15-7

Mixture Substance:

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
Formal Content (PV Formal)	-	81
Acetate Content (PV Acetate)	-	9.5~13
Hydroxyl Content (PV Alcohol)	-	5.0~6.5

SECTION 4 - FIRST AID MEASURES

Ingestion: Try to get the victim to vomit. Get medical attention immediately.
Inhalation: When safe to enter area, remove from exposure. Keep warm and at rest.
Eye Contact: Wash eyes immediately with large amount of water. Get medical attention immediately.
Skin Contact: Remove contaminated clothing immediately. Wash with large amount of water. Get medical attention if needed.

First Aid Facilities: Eyebath/eyewash, Safety shower & general washroom facilities.

Medical Attention & Special Treatment:
 Treat symptomatically and supportively.

Additional Information:
 Not available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Small fire: Use dry chemical or carbon dioxide or Water or Regular Foam.

Large fire: Use regular foam or flood with fine water spray.

Hazards from Combustion Products:

Slight fire hazard. Dust-air mixture may ignite.

Precautions for Fire Fighters:

Shut off fuel to fire if possible to do so without hazard. In confined or poorly ventilated area fire-fighters should wear respirator.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Shut off all sources of ignition. Wear appropriate protective equipment (refer to Section 8) while cleaning up spill.

Containment & Clean up:

Sweep up carefully – avoid generating dust. Place into a sealable container, seal the container and dispose of accordingly.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Wear proper protective equipment in order to avoid contact with skin and eyes. Wash hands and face after using materials. Prevent build-up of electrostatic charges (e.g. by grounding).

Precautions for Safe Storage:

Separate from oxidizing materials. Keep away from heat or sunlight, and store in a cool dry location.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Use with local exhaust ventilation.

Personal Protective Equipment:

To prevent any contact, wear dust respirator, self-contained breathing apparatus, safety goggles, or protective clothing, gloves.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White to light yellow, free-flowing powder
Odour:	Slightly pungent aroma.
pH:	Not available.
Vapour pressure (mm of Hg at °C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	Not available.
Solubility:	Negligible in water, soluble in phenols, some chlorinated hydrocarbons, alcohol mixtures, and aromatic hydrocarbons.
Specific gravity or density:	Water = 1 @20°C: 1.1~1.3
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Percent Volatile As Packed (%):	Max 2.2

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible Materials:	Oxidizing materials.
Hazardous Decomposition Products:	Slight fire hazard. Dust-air mixture may ignite.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

May cause irritation.

Ingestion:

May cause irritation.

Inhalation:

May cause irritation.

Eye Contact:

May cause irritation.

Skin Contact:

May cause irritation.

Human/Animal data: TOXICITY DATA:
 Oral LD50 (rat) : >5.010 mg/kg. Practically Nontoxic
 Dermal LD50 (rabbit) : >2,000 mg/kg, No more than slightly toxic.
 IRRITATION DATA:
 Eye (rabbit): 3.3 on a scale of 110.0, slightly irritating.
 Skin (rabbit): 0.0 on a scale of 8.0. Non-irritating.

Carcinogenic Category: Not classified as a Carcinogen by the IARC.
Other Carcinogenic Information: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.
Persistence and degradability: Not available.
Mobility: Not available.
Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:
 Burn in an approved incinerator or dispose of in an approved landfill in accordance with all applicable local, state and federal laws and regulation. Consult your attorney or appropriate regulatory officials for information such as disposal.
Special Precautions/Additional Informational:
 Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Class and Subsidiary risk: Not regulated.
Packing Group: Not regulated.
Special Precautions for User: Not available.
Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None Allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: June 11
Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of MSDS ...