

MATERIAL SAFETY DATA SHEET

**PRODUCT: RF CIRCUIT BOARD LACQUER
(LIQUID)**

PRODUCT IDENTIFICATION

Trade Name: Crystal Clear Gloss
Other Name: None

Manufacturers Code: Various

UN No: 1263
Dangerous Goods Class: 3
Packaging Group: III
Hazchem Code: 3Y
Poisons Schedule: S6

Classified as Hazardous according to criteria of Worksafe Australia

Use

A single pack flexible lacquer coating for protecting printed circuit boards from humidity and other environmental attack. Packaged in 1, 2, 5 and 20 litre containers - Applied by dipping or spraying

Physical Description/Properties

Appearance: Colourless clear liquid
Boiling Point: 140.5 Deg C
Vapour Pressure: (Major solvent) Xylene. 6 MMHG @ 20 Deg C
Specific Gravity: Approx. 1.0
Flash Point: 27 Deg C - TCC
Flammability Limit LEL: (Major solvent) Xylene. 1.1%
Flammability Limit UEL: (Major solvent) Xylene. 7.7%
Solubility in Water: Negligible
Auto Ignition Temp: (Major solvent) Xylene. 495 Deg C
Stability: Product is considered stable under normal handling conditions. Product in the cold state is stable. Heating may cause flammable vapours to be given off.
Can react with oxidising materials

Ingredients

Chemical Name	CAS	Proportion
Toluene	108-88-3	10-30%
Z-Ethoxyethyl acetate	111-15-9	0-5%
Xylene*	1330-20-7	10-30%
Acrylic Resin	NA	10-30%
Organic Solvent	N/AV	0-30%
Hydrocarbon Solvent hfp	N/A	10-30%

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HEALTH HAZARD INFORMATION

Health Effects

Acute

- Swallowed: Moderately toxic, tends to break up into foam if the patient vomits. Upon aspiration into the lungs chemical pneumonitis may develop.
- Eye: Direct eye contact may cause moderate to severe irritation. The vapour is irritating to the eyes.
- Skin: Prolonged contact with the skin may have a defatting effect which may lead to irritation and in some cases irritant contact dermatitis.
- Inhaled: Inhalation of vapour may result in nervous system effects such as dizziness, nausea, headache and sleepiness. Inhalation of solvent vapour may cause nose and throat irritation. Over exposure are irritating to the respiratory system.

Chronic

Inhalation of excessive concentrations of vapours may produce effects on the central nervous system including headaches, drowsiness and nausea. In extreme cases loss of consciousness may result.

First Aid

- Swallowed: Do not induce vomiting due to the hazard of solvent aspiration into the lungs which may cause mild to severe pulmonary injury. Give a glass of water to drink, seek medical attention.
- Eye: Irrigate with copious quantities of water for at least 15 minutes, seek medical attention.
- Skin: Wash affected areas with soap and water. Seek medical attention if irritation persists.
- Inhaled: Move to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped administer artificial respiration. Give nothing by mouth. Seek medical attention if any effects persist.

Advice to Doctor: Treat symptomatically. Advise doctor of the presence of liquid hydrocarbons.

PRECAUTIONS FOR USE

Exposure Limits

Xylene 80 ppm
Maximum exposure for an 8 hour working day, 5 days a week

Engineering Controls

Prevent spark formation created by static electricity by earthing vessels. Use in well ventilated areas to prevent vapour build up. Use mechanical and/or natural ventilation to ensure that solvent vapour levels are maintained below the recommended exposure standard.

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Personal Protection

In ventilated areas no respiratory equipment is required.
Close fitting chemical goggles is the minimal form of eye protection for this product.
Wear overalls and neoprene resistant gloves to keep skin contact to a minimum.

Flammability

This product is flammable liquid. Keep potential sources of ignition away when using open containers, mixing, applying and drying. This product may form explosive concentrations of vapour in the air, particularly in confined spaces. Care should be taken to avoid the risk of electrostatic ignition. Contaminated rags and other cleaning material may be liable to spontaneous ignition. Material will burn emitting carbon oxide combustion products.

SAFE HANDLING INFORMATION

Storage and Transport

Store in cool, dry area away from heat, sparks and open flame.
Depending on quantities involved, store as Dangerous Goods of Class 3.
Keep containers sealed when not in use. Store away from oxidizing agents.

Packaging/Labeling

UN NO.1263
Class 3
Sub Risk None Allocated
Hazchem Code 3Y
Pack Group III
Shipping Name Paint
Flammable Liquid

Spills and Disposal

Ventilate area. Eliminate ignition sources. Wear personal protective equipment as above. Contain and collect spillage with non-combustible absorbent materials. (e.g. sand, earth, vermiculite). Transfer to sealed containers with non-sparking tools. Do not allow into drains or watercourses.
Dispose of in chemical waste disposal area in accordance with relevant State regulations.

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FIRE AND EXPLOSION HAZARD

Fire/Explosion

Flammable liquid. This product may form explosive concentrations of vapour in air, particularly in confined spaces. Will burn or decompose giving off harmful fumes. In confined areas or where exposed to vapour or products of combustion, wear self contained breathing apparatus. Keep unopened containers cool with water spray. Closed containers may explode when exposed to extreme heat.

Extinguishing Media

Foam (large fires). Dry chemical, CO2 (small fires).

Keep exposed unopened containers cool with water spray. When entering enclosed areas, wear self contained breathing apparatus.

CONTACT: TECHNICAL MANAGER (02) 9979 8311

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