

MATERIAL SAFETY DATA SHEET

Ideal i40 Liquid Photopolymer Ideal i50 Liquid Photopolymer

SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product name Ideal i40 Liquid Photopolymer
Ideal i50 Liquid Photopolymer

Other names Not applicable

Recommended use: Photopolymer

Supplier name Astron Industries Pty Ltd

Address 8-10 Norwich Avenue
Thomastown, Victoria, 3074

Telephone no. (03) 9460 7577 (09:00 – 17:00 hours)

SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS based on NOHSC (National Occupational Health & Safety Commission) :1008 (2004).

Acute Effects:

Ingestion May cause nausea and vomiting

Inhalation May cause irritation to respiratory tract

Eye May cause eye irritation

Skin May cause irritation or dermatitis

Chronic Effects: Repeated or prolonged skin contact may cause sensitization in some individuals.
Skin allergies, asthma, bronchitis and emphysema are medical conditions that could be aggravated by long term exposure.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Name	CAS	Proportion
Methacrylic ester monomers	Mixture	-

SECTION 4: FIRST AID MEASURES

Inhalation If coughing, irritation or tightness in chest is experienced, remove to fresh air. Seek medical assistance if symptoms persist.

Ingestion If material has been swallowed, dilute with milk or water if victim is alert. Seek medical assistance immediately.

Eye Hold eyes open. Flush with copious amounts of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Wash skin thoroughly with water. Remove contaminated clothing and launder before re-use.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media Dry Chemical and Carbon dioxide foam

Hazards from combustion products May generate carbon monoxide and carbon dioxides quickly. Keep containers cooled with water.

Special protective precautions Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.

Equipment for fire fighters Fire may produce toxic thermal decomposition products so fire fighters must wear self contained breathing apparatus with a full face piece operated in pressure-demand or positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures Contain spill, and absorb or scrape up excess into suitable container for disposal. Do not allow product to enter waterways.

SECTION 7: HANDLING AND STORAGE

Safe handling Minimize breathing of vapours and avoid prolonged or repeated contact with skin. If ventilation is inadequate, wear proper respiratory equipment.

Safe storage Store in cool, dry, well ventilated area away from sunlight. Protect from freezing during shipping.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards Not established

Biological limit values Not established

Engineering controls Provide general or local exhaust ventilation systems. Local exhaust ventilation is preferred because it controls dispersion at source

Personal protective equipment Wear chemically protective gloves to prevent skin prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear viscous liquid
Odour	Sweet odour
PH	Not determined
Vapour pressure	<0.1 mm @93.3°C
Vapour density	Not applicable

Boiling point Not applicable
Freezing/melting point Not determined
Water solubility Insoluble
Specific gravity 1.1 @ 25°C

SECTION 10: STABILITY AND REACTIVITY

Chemical stability Product is stable when stored at room temperature in sealed containers.
Conditions to avoid Exposure to UV, sunlight or temperatures >150 °C.
Non-hazardous polymerization may occur.
Incompatible materials Strong acids, bases, oxidizers and reducing agents
Thermal decomposition products Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute inhalation effects Human inhalation TC_L not established
Acute oral effects Not determined
Reproductive hazards None established
Carcinogenicity No evidence of carcinogenicity
Mutagenicity None established

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity None established
Persistence and degradability None established
Mobility None established

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product/spills in accordance with local, State and Federal regulations at an approved waste disposal facility by incineration and/or approved landfill for chemical/special waste.

SECTION 14: TRANSPORT INFORMATION

UN number Not allocated (not subject to transport regulations)
UN proper shipping name Not allocated
Class and subsidiary risk Not allocated
Packing group Not allocated
Special precautions for user Not determined
Hazchem Code Not allocated

Not classified for DOT, IATA or IMDG

SECTION 15: REGULATORY INFORMATION

Dispose of product/spills in accordance with local, State/Territory and Federal regulations at an approved waste disposal facility by incineration and/or approved landfill for chemical/special waste.

SECTION 16: OTHER INFORMATION

- ❑ Date of Preparation June 2010.
- ❑ Date of Review August 2012.

End of Material Safety Data Sheet