



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **660 Epoxy Undercoat (1K)**
 Recommended Use: Single Pack Epoxy Enamel Undercoat.
 Supplier: Topline Paint Pty Ltd t/as Shipway Spescoat
 ABN: 65 007 626 191
 Street Address: 33 Aldershot Road
 Lonsdale SA 5160
 Australia
 Telephone Number: +61 8 8384 1188
 Facsimile: +61 8 8326 1824
 Email: info@toplinepaint.com.au



2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases: R10 Flammable. R20/21 Harmful by inhalation, in contact with skin. R38 Irritating to skin.

Safety Phrases: S2 Keep out of reach of children. S25 Avoid contact with eyes.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Xylene	1330-20-7	1-9%	
Aliphatic Hydrocarbons	-	10-30%	
Pigments	-	10-30%	
Epoxy Resin (Oil Modified)	-	30-60%	
Driers / Additives	-	<1%	

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre 131 126 or a doctor.

Inhalation: Remove affected person from contaminated area and seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice.

Skin Contact: Remove contaminated clothing. Wash affected areas with copious amounts of soap and water. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention.

Eye Contact: If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. If irritation develops, seek medical attention.

Ingestion: DO NOT induce vomiting. Give a glass of water. Seek immediate medical attention.

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Classed as flammable. If involved in a fire, it may emit noxious and toxic fumes.

Extinguishing media: Use Foam, CO2 or powder to extinguish fire.

Fire Fighting: Highly flammable liquid. Keep containers cool with water spray. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Fire/Explosion Hazard: Flammable liquid. Combustion products include oxides of carbon. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively and flashback along the vapour trail may occur.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimize exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Conditions for safe storage: Highly flammable liquid for storage and handling purposes. Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials. DO NOT pressurize, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the store-room reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal Regulations.

Precautions for safe handling: Repeated or prolonged exposure to this material should be avoided in order to lessen the possibility of disorders. Use in a well ventilated area. Prohibit sources of sparks, ignition and naked flames. Wear appropriate protective equipment. It is essential that all who come in contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet. Build up of vapour or mist in the working atmosphere must be prevented. Ensure ventilation is adequate. DO NOT enter confined spaces where vapour or mist may have collected. Keep containers closed when not in use. Prevent accumulation of static electricity and earth all equipment.

Corrosiveness: Not corrosive to metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: None established for this product. Workplace Exposure Standards (WES) as Time Weighted Averages (TWA) are:

Name:	STEL mg/m ³	ppm	TWA mg/m ³	ppm
Xylene	655	150	350	80

Engineering controls: Use only with adequate ventilation. Local exhaust ventilation or flameproof fume cupboards may be necessary for some operations. Use of closed or semi-closed processes eg. Lidded tanks can reduce exposure.

Personal Protective Equipment:

Respiratory Protection: Avoid breathing of vapours/mists. Where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

Eye Protection: Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection: Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Other Information: No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, all exposure should be kept to the least possible levels as over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions. Exposure standards for individual constituents are listed above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paint - White & Colours
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble in most organic solvents. Practicably insoluble in water.
Specific Gravity	1.08
pH Value	Not applicable
Vapour Pressure	Not available
Evaporation Rate	Not available
Viscosity	Not available
Volatile Component	Not available
Flash Point	33°C
Flammability	Flammable. Keep away from heat, sparks or naked flames.
Flammable Limits LEL	1.1% v/v
Flammable Limits UEL	7.70% v/v

10. STABILITY AND REACTIVITY

Chemical stability: Stable. Reacts with oxidising agents.

Conditions to avoid: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Harmful if swallowed. May cause irritation to the gastrointestinal system. Systems may include nausea, vomiting, diarrhea, headache, abdominal pain, CNS depression, seizures, loss of coordination.

Eye contact: Will cause irritation to eye which can result in redness, swelling, itching, stinging and excessive tearing.

Skin contact: Harmful in contact with skin. Absorption through the skin, with symptoms paralleling those following ingestion exposures. Will cause irritation to skin, which can result in redness and itching.

Inhalation: Harmful by inhalation. Will cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms included sneezing, coughing, wheezing, shortness of breath, headache, drowsiness, dizziness, nausea and vomiting.

Long Term Effects: Prolonged and repeated exposure through skin contact, inhalation of this material will result in harmful effects including central nervous system effects, possibly leading to unconsciousness or death. Repeated or prolonged exposure may also cause skin dryness and cracking, leading to skin irritation and possible dermatitis. Possible risk or irreversible effects. May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.

Toxicological Data: No toxicology data is available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available for this material.

Persistence degradability and mobility: No data is available for this material.

Aquatic toxicity: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to State Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature.

14. TRANSPORT INFORMATION

Road and Rail Transport Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

UN No: 1263

Class-primary: 3

Packing Group: III

Proper Shipping Name: PAINT

Hazchem Code: 3Y

ADG Packaging Method: 5.9.3RT1

ADG EPG Number: 3C1

ADG IERG Number: 16

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Hazard Category: Harmful, Irritant.

Risk Phrase(s): R10 Flammable. R20/21 Harmful by inhalation, in contact with skin. R38 Irritating to skin.

Safety Phrase(s): S2 Keep out of reach of children. S25 Avoid contact with eyes.

Poisons Schedule: S5

Packaging & Labelling: Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's "National Code of Practice for the Labelling of Workplace Substances".

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This MSDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Topline Paint Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. Persons dealing with the products to which this information refers do so entirely at their own risk. Topline Paint Pty. Ltd. will accept no responsibility what so ever for the consequences of the use or misuse of this product.