

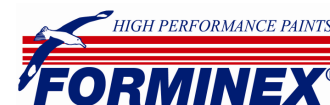
# Safety Data Sheet



Makers of Fine Paint Since 1962

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **662 FX Hardener**  
Recommended Use: Paint.  
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
Toluene di-isocyanate	108-88-3	<1%	
Ethyl Acetate	141-78-6	10-29%	-
Aromatic polyisocyanate	Confidential	10-29%	

## 4. FIRST AID MEASURES

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

**Inhalation:** Remove victim from exposure, avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

**Skin Contact:** Wash off with plenty of soap and water. Remove contaminated clothing immediately. Launder contaminated clothing before re-use.

**Eye Contact:** Irrigate with copious quantity of water for at least 15 minutes. If soreness or redness persists seek medical assistance.

**Ingestion:** If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed do NOT induce vomiting. Give a glass of water. If any suspicion of aspiration into the lungs (e.g. during vomiting) obtain medical advice immediately.

**Further Medical Treatment:** Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

## 5. FIRE FIGHTING MEASURES

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

**Extinguishing media:** Use foam, CO<sub>2</sub>, dry powder or BCF fire extinguishers.

**Special precautions:** Flammable liquid. Combustion products include oxides of carbon. Use water sprays to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if safe to do so. Remove sources of re-ignition. Vapour/air mixture may ignite explosively. Flashback along vapour trail may occur.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:** Keep public away. extinguish all ignition sources. For major spills, dam and recover. Prevent entry into drainage systems, rivers etc.

**Methods and materials for containment and clean up:** Collect with absorbent material such as sand, earth or sawdust. Warn occupants down wind. Advise authorities. Ensure waste disposal conforms with local waste disposal regulations. After recovery and evaporation remaining soil may be disposed of to approved landfill, or if approved, allowed to degrade insitu.

## 7. HANDLING AND STORAGE

**Conditions for safe storage:** Store in cool well ventilated area away from heat and ignition sources. Do not store in low or enclosed areas where vapours may become trapped. Containers should always be kept closed in storage and properly labelled. Store only in original or approved containers.

**Precautions for safe handling:** Avoid contact with strong oxidising agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** None established for this product.

**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

<b>Appearance</b>	Clear liquid (nearly colourless)
<b>Boiling Point</b>	77-146 °C
<b>Vapour Pressure</b>	328 mbar
<b>Volatile Component</b>	850.0 kg/l
<b>Specific Gravity</b>	1.015 kg/l
<b>Flash Point</b>	-4 °C (pmcc)
<b>Flammability Limits (%)</b>	Not available
<b>Form</b>	Liquid
<b>Viscosity</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Solubility</b>	Soluble in most organic solvents. Practicably insoluble in water.

## 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. Symptoms 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 Waste Management Authority. Dispose of material through a licensed waste contractor.

## 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:** 3.2

**Packing Group:** II

**Proper Shipping Name:** PAINT

**Hazchem Code:** 3YE

**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:** S6

**Packaging & Labelling:** Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poison 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.