

## Material Safety Data Sheet

### 1. MANUFACTURER IDENTIFICATION

Product Name : Corrosol Primecoat  
Product Description : UV cured resin  
Manufacturer : **Corrotech Construction Chemicals**  
Address : P.O. Box, 8344, Dubai, United Arab Emirates.  
Tel : +971-4-8112100  
Fax : +971-4-8112101  
Email : [gc@mctuae.com](mailto:gc@mctuae.com)  
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Version : 3

#### Importer / Distributor:

Australian distributor: Anti Corrosion Technology Pty. Ltd., 3/13 Selhurst Street, Coopers Plains, Queensland, 4108  
Australia  
Office: +61 7 3344 4434, Mobile: +61 410 649 454, Email: [info@anticorrosiontechnology.com](mailto:info@anticorrosiontechnology.com)

#### Emergency telephone number:

Australian distributor: Anti Corrosion Technology Pty. Ltd., Monday to Friday 8.00am to 5.00pm  
For general information call +61 7 3344 4434. For any transportation emergencies after hours, call +61 410 649 454.

### 2. HAZARD IDENTIFICATION

Classification : Hazardous Substance  
Labeling :

Health Hazard



Signal Words : Danger      Irritant      Flammable

#### Hazard Statements

H 226 : Flammable Liquid  
H315 : Cause skin irritation  
H335 : May cause respiratory irritation

#### Precautionary Statements

P102 : Keep out of reach of children  
P201 : Obtain special instruction before use.  
P202 : Do not handle until all safety precaution have been read and understood.  
P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.



P264 : Wash thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area  
P235 +P410 : Keep cool. Protect from sunlight.

### 3. COMPOSITION / INFORMATION ON COMPOSITION

Chemical Nature : Resin solution

Hazardous Ingredients

Component	CAS no	EC No	% wt	EU GHS
Styrene	110-42-5	202-851-5	<40	Flammable Liquid-3 Skin Irritant -2 Eye irritant -2 Acute toxicity - 4

The wordings of the H statements is specified in the section 16

### 4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed. Move the exposed person to fresh air at once.

**General Advice**

First aid personnel should pay attention to their own safety first. Remove contaminated clothing.

*Eye contact*

Flush eyes with large amounts of water for at least fifteen minutes. Make sure to remove any contact lenses from the eyes before rinsing. If signs / symptoms persist, get medical attention.

*Skin contact*

Remove contaminated clothes immediately. Wash affected area with mild soap and plenty of water. If irritation persists get medical attention immediately.

*Inhalation*

Remove the affected person to fresh air. Perform artificial respiration in the case difficult breathing. If symptoms persist obtain medical attention.

*Ingestion*



If swallowed, rinse out mouth and obtain medical attention. Do not induce vomiting unless told by a doctor or by poison control center. Never give anything by mouth to an unconscious person. Get medical help immediately.

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use Alcohol resistant foam, dry chemical or carbon dioxide.  
Not Suitable extinguish media: Do not use water jet.

### Specific Hazards

Flammable product. In case of a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour / gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Run-off to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Vapour is heavier than air and may travel along the floor to a source of ignition and flash back.

Under combustion condition a complex mixture of gases including carbon monoxide, carbon dioxides, Oxides of nitrogen, airborne solids and unidentified organic or inorganic compounds will be evolved.

### Advice for firefighters

Do not breathe decomposition products or smoke evolved during combustion. Wear fire retardant clothing with full protective equipment. Wear a self-contained breathing apparatus (SCBA). Water may not effectively extinguish fire, however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Use water spray to reduce vapors. Prevent run-off from fire control from entering water ways. Only trained personnel should perform firefighting operations.

### Unusual Fire and Explosion Hazards

No data available.

## 6. ACCIDENTAL RELEASE MEASURES

Spillage unlikely from original packing. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Remove all ignition sources such as naked flames, smoking materials, and electrical spark sources. Ventilate the area with fresh air. Absorb the spill in vermiculate, dry sand or earth and place into containers.

### Environmental precaution

Do not allow spill to runoff to sewer or water courses.



### **Methods of cleaning up**

Collect contaminated material in properly marked disposable container and dispose off as per applicable regulation in the territory. For recommended disposal method refer section 13.

## **7. HANDLING AND STORAGE**

### Handling

Keep away from heat, open flame, pilot lights and other sources of ignition. Avoid eye contact with vapors. Avoid skin contact. Avoid breathing of vapors, mists or spray. Do not eat, drink or smoke while using this product. Wash exposed areas thoroughly with soap and water. Avoid static discharge. Use with adequate ventilation. Keep away from the reach of children.

### Storage

Store in a cool place preferably below 25°C in a temperature controlled room for the maximum usable life.

## **8. EXPOSURE CONTROLS & PERSONAL PROTECTION**

### Control parameters

Components with occupational exposure limits

Styrene: CAS No. 100-42-5

STEL (UK) – 1080mg/m<sup>3</sup>

TWA (UK) - 430mg/m<sup>3</sup>

Biological Occupational exposure limits: None

### **Appropriate Engineering Controls**

Use the product in well ventilated areas. Use forced ventilation in confined areas and poorly ventilated areas.

### **Personal Protective Equipments (PPE)**

#### Eye/Face Protection

Avoid eye contact with vapors. The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

#### Skin Protection

Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Gloves made from the following material(s) are recommended: NR/Polyethylene /EVA. Gloves must be inspected regularly and prior to use. Replace if necessary. Impervious clothing and coverall is recommended while handling the product.



#### Respiratory Protection

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations.

#### Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	:	Liquid, yellowish
Odour	:	Styrenic
Flash point	:	32°C (Styrene)
Relative Density	:	1.13
Melting point / Freezing point	:	Not Applicable
Vapor Pressure	:	No data available
Solubility in water	:	Insoluble
Auto ignition temp	:	490°C
Explosive property	:	None
Oxidizing property	:	None

### 10. STABILITY & REACTIVITY

Stability	:	Stable at room temperature under standard storage conditions
Materials and Conditions to Avoid	:	Strong oxidizing agents, heat, open flame, sparks, direct sunlight, etc. Strong acids & Alkalis.
Hazardous Polymerization	:	Hazardous polymerization will not occur.
Decomposition Products	:	No hazardous decomposition products on proper storage. On decomposition oxides of carbon, hydrocarbons may generate.
Conditions to avoid	:	Temperature above (> 40°C) and direct sunlight. Product will harden and exothermic reaction may happen when the product is exposed directly to sunlight and heat.



Condition to avoid : Oxidizing materials

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

- Inhalation : Harmful by inhalation. May cause irritation of respiratory tract. Inhalation of high vapor concentrations can cause CNS depression and narcosis.
- Eye Contact : Irritating to eyes.
- Skin Contact : Causes skin irritation. Prolonged skin contact may defat the skin and produce dermatitis. May cause sensitization by skin contact.
- Ingestion : Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Styrene  
Oral LD50 = 5000 mg/kg (Rat)  
Dermal LD50 > 2000 - (Rat) mg/kg  
Inhalation LC50 = 11.8 mg/l (4 H) Rat

- Irritation : Irritating to eyes and skin.
- Corrosivity : Not corrosive.
- Sensitization : May cause sensitization of susceptible persons by skin contact.
- Carcinogenic Effects : There is no convincing evidence that styrene possesses significant carcinogenic potential in humans. Repeated dose toxicity In humans, styrene may cause a transient decrease in color discrimination and effects on hearing.
- Mutagenic effects : Styrene has given mixed positive and negative results in a number of mutagenicity tests. Styrene was not mutagenic without metabolic activation but gave negative and positive mutagenic results with metabolic activation.

Developmental Toxicity Results from studies in experimental animals indicate little or no potential for styrene to produce developmental toxicity. Target organ(s) Liver, Central nervous system (CNS), and Respiratory systems. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to defatting properties of the product. May cause damage to the liver, eyes, brain, respiratory system, central nervous system through prolonged or repeated exposure if inhaled.

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Pure Styrene

Algae EC50 = 1.4 mg/L (Pseudokirchneriella subcapitata) (72h)  
EC50 0.46 - 4.3 mg/L (Pseudokirchneriella subcapitata) (72h)  
Fish LC50 3.24 - 4.99 mg/L (Pimephales promelas) (96 h) flow-through



LC50 19.03 - 33.53 mg/L (Lepomis macrochirus) (96 h) static  
LC50 6.75 - 14.5 mg/L (Pimephales promelas) (96 h) static  
LC50 58.75 - 95.32 mg/L (Poecilia reticulata) (96 h) static  
Aquatic Invertebrates EC50 3.3 - 7.4 mg/L (Daphnia magna) (48h)

#### **Persistence and degradability**

No information available.

#### **Bioaccumulative potential**

Bioaccumulation is unlikely.

#### **Mobility in soil**

No information available.

#### **Results of PBT and vPvB assessment**

This preparation contains no substance considered to be persistent, bioaccumulating. This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

#### **Other adverse effects**

No information available

### **13. DISPOSAL**

#### **General Information**

Dispose of waste product in a permitted hazardous waste facility. Local, State or Federal regulation is applicable. Consult regulation authorities before disposal.

#### **Product**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Burn in a chemical incinerator equipped with an after burner and scrubber.

#### **Contaminated Packaging**

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

#### **Uncontaminated Packing material**

Paper packing can be recycled.



#### 14. TRANSPORT INFORMATION

##### ADR

Proper Shipping Name : Resin Solution  
UN no : 1866  
Hazard Class : 3  
Packing Group : III

##### IMDG

Proper Shipping Name : Resin Solution  
UN no : 1866  
Hazard Class : 3  
Packing Group : III

##### IATA

Proper Shipping Name : Resin Solution  
UN no : 1866  
Hazard Class : 3  
Packing Group : III

**Emergency Schedules (Ems) : F-E, S-E**

**Marine Hazards : No**

#### 15. REGULATORY INFORMATION

Safety data sheet complies with the requirement of EC no. 1907/2006  
Classification: Hazardous Substance

Chemical Safety Assessment: No Data available

#### 16. OTHER INFORMATION

##### Hazard Statements (H – Codes)

H226 : Flammable liquid  
H315 : Cause skin irritation  
H335 : May cause respiratory irritation





H319 : Causes serious eye irritation  
H332 : Harmful if inhaled

R Phrases

R 20 : Harmful by inhalation  
R 36 : Irritating to eyes  
R 38 : Irritating to skins  
R 42/43 : May cause sensitization by inhalation and skin contact

Training Advice:

Please refer to method of use and method statements

Recommended use and restriction on use:

Use in accordance with the manufacturer's technical instruction

Sources of key data used to compile the Safety Data Sheet:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
CLP Regulation EC no 1272/2008  
EU Directive 67/548/EEC Annex III

DISCLAIMER

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date of issue. However no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given for implied to practice any patented invention without a license. User is responsible for determining whether the Corrotech product is fit for a particular purpose and suitable for user's method of use or application. In addition no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazard inherent in the nature of the product. This product must be stored, handled and used in compliance with current regulation and laws. Furthermore the specifications and description herein cannot be used to void a contract.