

Material Safety Data Sheet

1. MANUFACTURER IDENTIFICATION

Product Name : Corrosol VE GP

Issue Date : February 2019

Use : Insulation protection / Corrosion protection system

Manufacturer : **Corrotech Construction Chemicals**

Address : P.O. Box, 8344, Dubai, United Arab Emirates.

Tel : +971-4-8112100

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Email : info@mctuae.com

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

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 :



Signal Words : Danger Irritant

Hazard Statements

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.

P264 : No smoking.
 P271 : Wash thoroughly after handling.
 P235 +P410 : Use only outdoors or in a well-ventilated area.
 : Keep cool. Protect from sunlight.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Nature : Composite preparation based on polyester resin

Hazardous Ingredients

Component	CAS no	EC No	% wt	EU GHS
Syrene	110-42-5	202-851-5	<11	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

EXTINGUISHING MEDIA



Use water fog, foam, dry chemical or carbon dioxide

SPECIFIC HAZARD

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 run off to sewer or water courses.

METHODS OF CLEANING UP

Collect contaminated material in properly marked disposable container and dispose of 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/m³

TWA (UK) - 430mg/m³

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	:	Sheet laminate in roll form
Odour	:	Styrenic
Flash point	:	32°C (Styrene)
Relative Density	:	1.2 – 1.8
Melting point / Freezing point	:	Not Applicable
Vapor Pressure	:	No data available
Solubility in water	:	Insoluble
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 &



Hazardous Polymerization	: alkalis.
Decomposition Products	: Hazardous polymerization will not occur.
	: No hazardous decomposition products on proper storage. On decomposition oxides of carbon, hydrocarbons may generate.
Conditions to avoid	: Temperature above (> 50°C) and direct sunlight. Product will harden and exothermic reaction may happen when the product is exposed directly to sunlight and heat.

11. TOXICOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL 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

Burn in a chemical incinerator equipped with an after burner and scrubber.

Contaminated Packaging

Dispose of as unused product.

Uncontaminated Packing material

Paper packing can be recycled

14. TRANSPORT INFORMATION



Proper Shipping Name : UV Curing GRP Sheet composite
IATA : Not dangerous good
ADR : Not dangerous good
IMDG : Not dangerous good
UN no : Not Applicable

15. REGULATORY INFORMATION

Safety data sheet complies with the requirement of EC no. 1907/2006

Classification : Hazardous Substance
(New Zealand Regulations 2001)

Chemical Safety Assessment : No Data available

16. OTHER INFORMATION

Further Information

Hazard Statements (H – Codes)

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
WKS 4 – Work Safe New Zealand

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 as per the recommendation by the manufacturer and in compliance with current regulation and laws. Furthermore the specifications and description herein cannot be used to void a contract.