



# Post-Tech® PTI Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Post-Tech® PTI  
APPLICATION: Hydrocarbon and silicon polymer corrosion inhibiting cable impregnation solution  
COMPANY: Vector Corrosion Technologies Inc.  
8413 Laurel Fair Circle, Suite 200A, Tampa, FL 33610  
TELEPHONE: (813) 830-7566

## 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Liquid solution, fruity ester/amine like odor Causes skin and eye burns May be harmful if absorbed through skin.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Contains a component (>1.0%) which may cause burns to eyes. May cause tearing, reddening and/or swelling. May cause permanent eye injury.

SKIN CONTACT: Contains a component (>1.0%) which may cause burns to skin. May be harmful if absorbed through skin.

INHALATION: Harmful if inhaled. Possible discomfort: irritation of mucous lining (nose, throat, eyes), coughing.

INGESTION: May be harmful if swallowed. Can cause gastrointestinal irritation.

CHRONIC HEALTH HAZARD: Liquid and high vapor concentrations cause eye irritation. Contact of liquid with skin causes drying, cracking, and irritation. Inhalation causes irritation of the respiratory tract. Repeated or prolonged exposure to high vapor concentrations may cause drowsiness. Excessive or repeated ingestion may cause central nervous system effects, liver effects and reproductive effects. However, ingestion is not an expected route of exposure. Ethanol has a low potential to cause allergic skin reactions; however, undocumented cases of human skin sensitization have been reported.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: silane/organic preparation

Chemical Name	CAS #	Wt. %
Silicon compound	(Ref.:72243-045165,Germany)	>10 %
Dipropylene glycol dibenzoate	27138-31-4	0.25 – 4%
Sulfonic acids, petroleum, calcium salts	61789-86-4	2 – 12.5%
2-diethylaminoethanol	100-37-8	>=0.5 to <3.75%





# Post-Tech® PTI Safety Data Sheet

## 4. FIRST AID MEASURES

EYES:	Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Do not allow contaminated water to contact unaffected eye or face during irrigation of affected eye. See medical doctor or ophthalmologist immediately.
SKIN:	Immediately flush with plenty of water while removing contaminated clothing and/or shoes and thoroughly wash with soap and water. Obtain immediate medical attention. Contact a doctor if necessary.
INHALATION:	Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration and see a medical doctor immediately.
INGESTION:	Rinse out mouth with water. Dilute by giving 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.
NOTES to MEDICAL DOCTOR:	After absorbing large amounts of substance, apply therapy for irritative effects. If substance has been swallowed, early endoscopy is recommended in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, suck away leftover substance. Allergic reactions cannot be excluded. Apply treatment to allergic reaction if necessary.

## 5. FIRE FIGHTING MEASURES

FLAMMABILITY:	Yes, by open flame, sparks, excessive heat, smoking and other sources of ignition.
GENERAL HAZARD:	Combustible liquid
EXTINGUISHING MEDIA:	Dry chemical, CO <sub>2</sub> , foam, water fog.
FIREFIGHTING PROCEDURES:	Wear full protective clothing and self-contained breathing apparatus (SCBA) approved for fire fighting. This is necessary to protect against the hazards of heat, products of combustion and oxygen deficiency. Do not breathe smoke, gases or vapors generated. Vapor can travel to source of ignition and flash back. Explosive mixtures may occur at temperatures at or above flashpoint.
SENSITIVE TO STATIC DISCHARGE:	Yes
FLASHPOINT:	62°C, 144°F

Comments: (See Section 10, Stability and Reactivity)

## 6. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES:	Remove sources of ignition and ventilate area. Contain spill with noncombustible absorbent material. Transfer or pump into a suitable container. Dispose of waste according to local and Federal laws and regulations. Before cleanup measures begin, review entire MSDS with particular attention to Section 3, Emergency Overview and Potential Health.
----------------	---

## 7. HANDLING AND STORAGE

HANDLING:	Use in open air or with adequate ventilation. Wear PPE, see Section 8. Keep away from heat, sparks, flames and other sources of ignition. Launder contaminated clothing.
STORAGE:	Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.





# Post-Tech® PTI Safety Data Sheet

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### COMPONENT OCCUPATIONAL EXPOSURE GUIDELINES:

2-diethylaminoethanol

CAS-No.	100-37-8	
Control parameters	2 ppm	Time Weighted Average (TWA):(ACGIH) Skin designation: (ACGIH)
		Can be absorbed through the skin.
	10 ppm PEL:	(OSHA Z1)
	50 mg/m3	Skin designation: (OSHA Z1)
		Can be absorbed through the skin.
	2 ppm	Time Weighted Average (TWA)
	9.6 mg/m3	Permissible Exposure Limit (PEL): (US CA OEL)
		Skin designation: (US CA OEL)
		Can be absorbed through the skin.

ENGINEERING CONTROL MEASURES: Provide adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Safety glasses or goggles

RESPIRATORY: When engineering controls are not adequate, wear a NIOSH/MSHA respirator approved for inorganic dusts and mists.

PROTECTIVE CLOTHING: Impermeable gloves. Personal protection equipment that provides a barrier to prevent dermal exposure to this substance is required.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes and clothing. Eye wash fountain should be readily available. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	liquid
ODOR:	fruity, ester-like, slightly amine-like
pH:	9-10
PERCENT VOLATILE:	% VOC (gm/l) 300
BOILING POINT:	> 200°C
MELTING POINT:	Not applicable
SOLUBILITY IN WATER:	Not miscible, decomposition by hydrolysis
DENSITY:	920 g/L, 7.68 lbs/gal
FLASH POINT:	62°C, 144°F
AUTOIGNITION TEMPERATURE:	Not determined
VISCOSITY :	Not applicable





# Post-Tech® PTI Safety Data Sheet

## 10. STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY WITH OTHER SUBSTANCES:	Yes, with strong Oxidizer agents, mineral acids.
REACTIVITY UNDER WHAT CONDITIONS:	Avoid excessive heat, open flame, spark, ignition source.
HAZARDOUS DECOMPOSITION PRODUCTS:	Ethanol in case hydrolysis, carbon monoxide and carbon dioxide with heated.

## 11. TOXICOLOGICAL INFORMATION

No toxicological studies are available on the mixture.

ACUTE INHALATION TOXICITY:	Acute toxicity estimate: >40 mg/l / 4h / vapour Method: Calculation Method
ACUTE DERMAL TOXICITY:	Acute toxicity estimate: > 5000 mg/kg Method: Calculation Method
INHALATION IRRITATION:	can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
SKIN IRRITATION:	Can cause minor skin irritation.
EYE IRRITATION:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
INGESTION IRRITATION:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Substance is harmful if swallowed. Large exposure may be fatal.
CARCINOGENICITY:	Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

No ecotoxicological studies are available.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:	Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.
------------------	--

## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Combustible liquid, n.o.s.
CLASSIFICATION:	Combustible Liquid
UN NUMBER:	1993
PACKING GROUP:	III



# Post-Tech® PTI Safety Data Sheet

## 15. REGULATORY INFORMATION

UNITED STATES:

SECTION 311 HAZARD CATEGORY  
(40 CFR 370):

Acute Health Hazard, Fire Hazard

SECTION 313 REPORTABLE  
INGREDIENTS (40 CFR 372):

None listed

CERCLA REPORTABLE QUANTITIES:

None listed

TSCA SEC 12B EXPORT NOTIFICATION: This product is not subject to TSCA 12 (b) Export Notification Requirements

## 16. OTHER INFORMATION

May 1, 2020. All sections revised, new format.

This SDS has been prepared to meet U.S. Osha Hazard Communication Standard, 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) Requirements.

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Vector Corrosion Technologies.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

The information in the Safety Data Sheet was obtained from sources we believe are reliable. The information, however, is provided without any representation or warranty, expressed or implied regarding the accuracy or correctness.

The condition or methods of handling, storage, use and disposal of the product are beyond our control. We do not assume responsibility and expressly disclaim liability for loss, damage or exposure arising out of or in any way connected with the handling, storage, use or disposal of the product.

### Vector Corrosion Technologies Ltd.

474B Dovercourt Drive  
Winnipeg, MB R3Y 1G4  
Phone: (204) 489-9611  
Fax: (204) 489-6033

info@vector-corrosion.com  
www.vector-corrosion.com

### Vector Corrosion Technologies, Inc.

8413 Laurel Fair Circle, Suite 200A  
Tampa, FL 33610  
Phone: (813) 830-7566  
Fax: (813) 830-7565

info@vector-corrosion.com  
www.vector-corrosion.com

### Vector Corrosion Technologies Limited

27A Upper High Street  
Cradley Heath, UK B64 5HX  
Phone: (44) 1384 671 400

infoEU@vector-corrosion.com  
www.vector-corrosion.eu

Rev. May 2020

