



Migrating Corrosion Inhibitor Surtreat TPS-V™

Material Safety Data Sheet

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SECTION I – PRODUCT IDENTIFICATION

Product Name: TPS V
Product Description: TPS V is a water dispersion of a solid organic amine ester salt-based vapor phase migratory corrosion inhibitor. It is designed to be used as an admixture to reinforced concrete to inhibit rebar corrosion.

SECTION II – HAZARDOUS INGREDIENTS

Ingredient Name (s)	Weight Percent	Occupational Exposure Limits				
		CAS #	TLV	STEL	PEL	Content
N/A	N/A	N/A	N/A	N/A	N/A	N/A

SECTION III – PHYSICAL DATA

Boiling Point: 212 °F
Specific Gravity: Approximately 0.94
Flash Point: N/A (Water-based)
pH: Approximately 6.5
Solubility: Isopropyl Alcohol
Appearance: White aqueous suspension
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Evaporation Rate (Butyl Acetate=1): N/A

SECTION IV – PHYSICAL DATA

HMIS Hazard Rating – 0 (Minimal)
Flash Point: Non flammable
Method: N/A
Auto-Ignition Temperature: N/A
Limits of Flammability: LEL: N/A UEL: N/A
Extinguishing Media: This material is not expected to burn.

SECTION V – REACTIVITY DATA

HMIS Hazard Rating – 1 (Slight)
Stability: Stable
Conditions and Materials to Avoid: Flammable hydrogen gas may be produced on prolonged contact with metal such as aluminum, tin, lead, and zinc. Avoid contact with glass and reactive materials.

Hazardous Decomposition or by products: None known.

SECTION VI – ENVIRONMENTAL AND DISPOSAL DATA

Precautions to be taken in handling and storage: Keep product from freezing. If frozen, thaw and agitate before use.

Steps To Be Taken In Case Material Is Released Or Spilled: Wear suitable protective equipment. Contain spill and collect with absorbent material or process and transfer to a suitable container. Ventilate area. Avoid contact.

Waste Disposal: Does not contain any hazardous chemicals as defined in 40 CFR 260. Handle disposal in manner which complies with local, state and federal regulations.

SECTION VII – HEALTH HAZARD DATA

HMIS Hazard Rating: 1 (Slight)
Primary route of entry: Inhalation, Skin and Eye Absorption

Effects of Overexposure:

Inhalation: May cause irritation to respiratory tract.
Eye Contact: Contact may cause irritation.
Skin Contact: Prolonged contact may cause slight irritation.
Ingestion: May cause irritation to the esophagus and stomach.
Chronic: None known. Does not contain carcinogenic material as defined by OSHA Hazardous Communication Act 1910, 1200. Materials are not known mutagenic, teratogenic, or reproductive health hazards.

Medical conditions known to aggravation by exposure: Asthma, lung and skin diseases.

SECTION VIII – EMERGENCY AND FIRST AID DATA

Inhalation: If breathing is difficult due to inhalation of vapor or mist, move person to fresh air. If you feel ill, seek medical advice.

Eye contact: In case of eye contact, flush immediately with plenty of water for 20 minutes and seek medical advice.

Skin contact: Wash thoroughly with soap and water. If irritation persists, seek medical advice.

Ingestion: Drink plenty of water and induce vomiting. If unconscious, do not give anything. Seek medical attention immediately.

SECTION IX – SPECIAL PROTECTION INFORMATION

Use with adequate ventilation. Avoid mist or direct contact with eyes, skin and clothing. Wear suitable protective goggles, rubber/latex gloves, and clothing. In case of insufficient ventilation, use NIOSH/OSHA approved respirators with an organic vapor cartridge. Wash clothing prior to re-use. Avoid contact with glass, aluminum and painted surfaces. May cause permanent spotting. In confined spaces, rooms, tanks, or areas where concern for TLV's are important, reference OSHA Regulations CFR 29 1910.134 for recommended respiratory protection.

SECTION X – ADDITIONAL INFORMATION

This product does not contain materials listed by the state of California as known to cause cancer, birth defects, or reproductive harm. This product contains no volatile organic compounds. This product contains no toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.



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Limited Warranty Notice

Every reasonable effort is made to apply Surtreat® exacting standards both in the manufacture of our products and in the information that we issue concerning these products and their use. We warrant our products to be of good quality and will replace any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Surtreat® MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Surtreat® shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection herewith. Any authorized change in the printed recommendations concerning the use of the products must bear the signature of the Surtreat® Technical Manager.

Surtreat TPS V (USA) is supplied in the Gulf Region by:



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