

MATERIAL SAFETY DATA SHEET
Prepared according to 29 CFR 1910.1200

DATE PREPARED: April, 2007
DATE REVISED: March, 2010

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MSDS NO: 249

SECTION I - IDENTIFICATION

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EMERGENCY PHONE NO. 402-453-6600

ID NO.: Non-regulated

PRODUCT
NAME: **PERMAGUARD SPS**

DOT CLASS: Non-regulated

CHEMICAL
NAME: Resin Mixture

DOT SHIPPING
NAME: Non-regulated

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	TLV/STEL	%
Zinc Ammonium Carbonate Compound	38714-47-5	n/a	25-30%
Diethylene Glycol Monoethyl Ether	111-90-0	n/a	10-20 %
Water	7732-18-5	n/a	50-70%
Tributoxy Ethyl Phosphate	78-51-3	n/a	5-10%
Ammonia	7664-41-7	35 Mg/M3	1-3%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212° F
Specific Gravity (Water = 1): 1.03 approx.
Vapor Pressure PSI @ 20° C (mm of Hg): N/D
Vapor Density (Air =1): N/D
Solubility in Water: Soluble
Evaporation Rate (N-Butyl Acetate = 1): N/D
Appearance and Odor: white liquid with slight odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Has no measurable flash point
Flammability Limits (% in air): Not Available

Extinguishing Media

Water spray, alcohol foam, dry chemical, carbon dioxide.

Firefighting Procedures

Keep personnel removed and upwind. Wear full protective clothing and full face-piece positive pressure self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Stability: STABLE

Conditions to Avoid: Heat, sparks and open flame.

Incompatible Materials: Acids, alkalis, strong oxidizing agents, lime, ammonia, organic amines, chlorates, chlorine, sodium hydroxide.

Hazardous Decomposition Products: Carbon Monoxide and/or carbon dioxide, misc. organic compounds (some possible toxic) from combustion.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA**PERMAGUARD SPS**Effects of Overexposure:

May cause irritation to eyes and skin. Harmful if swallowed. Can cause gastrointestinal disturbances.

EMERGENCY FIRST AID PROCEDURES:

Eye Contact: Irrigate immediately and thoroughly with water for at least 15 minutes. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and plenty of water for at least 15 minutes. Thoroughly clean clothing and shoes before reuse. Call a physician.

Inhalation: Remove from exposure to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.

Ingestion: Give 1 - 2 glasses of water or milk to dilute. Contact a physician, or poison control center for advice on whether to induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

HMIS Hazard Rating:	Health:	1	Slight
	Fire:	0	Least
	Reactivity:	0	Least

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USESkin Protection

Wear solvent resistant rubber, vinyl or neoprene gloves and protective impervious clothing and boots. Wash contaminated protective clothing before reuse.

Eye Protection

Always wear chemical safety glasses or goggles when handling chemicals.

Respiratory Protection

Use NIOSH approved organic vapor respirators for concentrations exceeding safety limits.

Ventilation

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

Additional Protective Measures

Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION VIII - CONTROL MEASURES

Keep away from heat, sparks and open flame.

Harmful if inhaled, absorbed through the skin, or swallowed.

Avoid prolonged or repeated breathing of vapors or spray mists.

Avoid contact with eyes, skin and clothing.

Keep container closed when not in use.

Protect material from freezing.

The information herein is presented in good faith and believed to be correct as of the date hereof. However, L&M Construction Chemicals Inc. makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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End of MSDS