

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): EnviroLine® D-POWDER

Description: Discharge Agent

DATE PREPARED/ REVISED:

March 08, 2011

MANUFACTURER'S NAME

Chemical Consultants, Inc.
1850 Wild Turkey Circle
Corona, CA 92880-1799 USA

PREPARER

H.S.D.

PHONE NUMBER:
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II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	ACGH TLV	OSHA PEL	Other (specify)
Zinc Formaldehyde Sulfoxylate	24887-06-8	90-100	5mg/m3 (respirable fraction)	15mg/m3 (total dust)	

III. PHYSICAL PROPERTIES

Vapor density (air =1):	N/A	Melting point or range, °F	300
Specify gravity:	2.2	Boiling point or range, °F	N/A
Solubility in water:	Miscible	Evaporation rate (butyl acetate =1):	N/A
Vapor pressure, mmHg at 20 °C:	N/A	pH (1% solution):	3-5
Appearance and odor:	White powder		

IV. FIRE AND EXPLOSION

Flash point, °F (give method): N/A

Auto ignition temperature, °F: Not determined

Flammable limits in air volume %:

	lower (LEL)	Unknown	upper (UEL)	Unknown
Fire extinguishing materials:	water spray <input checked="" type="checkbox"/>	carbon dioxide <input checked="" type="checkbox"/>	other <input type="checkbox"/>	
	foam <input checked="" type="checkbox"/>	dry chemical <input checked="" type="checkbox"/>		

Special fire fighting procedures:

Caution. Combustible. Do NOT enter confined fire space without full bunker gear, including a NIOSH approved self-contained breathing apparatus. Do not use high pressure water jet on burning powder as this may create dusting.

Unusual fire and explosion hazards:

May generate heat when wet. The product may contain fine dusts capable of forming explosive dust/air mixtures

V. REACTIVITY DATA

Stability: Stable ☒ Unstable ☐

Conditions to avoid:

Keep away from heat, flame and sparks. Excess moisture. Temperatures above 122 °F

Incompatibility (materials to avoid):

Strong oxidizers, and acids.

Hazardous decomposition products (including combustion products):

CO, CO2, and unidentified organic compounds. Sulfure dioxide, metallic oxides, and formaldehyde

Hazardous polymerization: May occur ☐ Will not occur ☒

Conditions to avoid:

None known

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: May cause irritation of mucous membranes, nose, eyes and throat.

Skin: May cause irritation or dermatitis in some individuals. May cause itching

Swallowed: May be harmful if swallowed. May cause irritation of mouth and throat. Nausea and vomiting. May cause gastric disturbances.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: Explain in lay terms.

Acute: Skin and respiratory irritation.

Chronic: None known

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Immediately flush eyes with fresh water or use emergency eye wash station.

Skin contact: Remove contaminated clothing. Wash immediately with soap and water. Seek medical attention if irritation develops.

Inhaled: Remove to fresh air. Seek medical attention if respiratory irritation persists.

Swallowed: Rinse mouth thoroughly with water. Give several glasses of water or milk. Induce vomiting only at direction of a physician. Seek medical aid.

CARCINOGENICITY? YES: _____ NO: ☒

This product's ingredients are found in this list. Federal OSHA _____ **NTP** _____ **IARC** _____ **ACGIH** _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Eliminate sources of ignition. Use appropriate protective equipment. Provide adequate ventilation during clean-up. Small spills may be wiped. Large spills; dike area to stop spreading and recover product.

Disposal Methods: RCRA Class: Not Regulated.

NOTE: *Dispose of all wastes in accordance with federal, state, and local regulations.*

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): None required under normal operating conditions. An appropriate NIOSH approved respirator with an organic vapor cartridge may be used.

Ventilation and engineering controls: General to maintain concentrations below the PEL

Eye protection (type): Chemical safety goggles and/or safety glasses.

Gloves (specify material): Nitrile or neoprene gloves to prevent direct skin contact.

Other clothing and equipment: Adequate to prevent skin contact.

Work practices, hygienic practices: Wash hands thoroughly after contact and before eating.

Other handling and storage requirements: Store away from ignition sources and in a cool dry area. Store away from easily combustible materials, such as paper and flammable solvents. Combustible: Keep soiled rags in a proper container. Keep container closed. Protect from moisture.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

HMIS Code System Rating = Health 1; Flammability 1; Reactivity 0

NFPA Code System Rating = Health 1; Flammability 1; Reactivity 0

Volatile Organic Compound (VOC) = None

Contains components subject to reporting under SARA Title III, Section 313 or section 40 CFR/372

All components in this product have been tested & listed in the TSCA inventory.