

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): VSS Delimer (PC-70)
Product Class: Acid cleaner
Emergency Telephone Number: 800-535-5053 (INFOTRAC)
Telephone Number for Information: 877-577-4050
Manufactured for:
Ver-tech Solutions & Service
6801 Bleck Drive
Rockford MN 55373 USA

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Phosphoric Acid CAS #7664-38-2	50 - 60
B	Surfactant blend Mixture	1 - 5
C	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Green liquid, mild odor.

Primary Hazards: Corrosive

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: May cause severe burns.

Skin: May cause severe burns.

Ingestion: May be harmful or fatal if swallowed.

Inhalation: Vapors may be harmful.

Signs and Symptoms of Exposure: Severe irritation on direct contact.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ(s): Eyes, skin, respiratory system.

Medical Conditions Generally Aggravated by Exposure: pre-existing skin or respiratory conditions.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Call a physician immediately. Rinse mouth with water. Drink water in large sips. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain medical attention. Skin Contact: Flush skin surface with water. If irritation persists seek medical attention. Remove and wash contaminated clothing before reuse.

Corrosive: May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as thermal burn, after decontamination. No specific antidote.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: Non-flammable Autoignition Temperature: N. Ap.

Flash Point (method used): None

Flammable Limits: N. Ap.

Extinguishing Media: N. Ap.

Water? Foam? Water Fog?

Alcohol Foam? CO₂? Dry Chemical?

Vaporizing Liquid? Other?

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: None

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required where ventilation is sufficient to maintain hydrogen chloride vapor level below listed TLV (Section XI).

Ventilation: Local Exhaust: Not required Special: Not required

Mechanical (General): As required to keep vapor levels below listed TLV (Section XI). Other: Not required

Protective Gloves: Chemical resistant rubber

Eye Protection: Approved safety goggles or glasses.

Footwear: Chemical resistant footwear may be required.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not breath vapors or fumes. Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C) pH: < 1

Specific Gravity (H₂O) = 1: 1.12

Vapor Density (Air = 1): > 1

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Complete

Coefficient: N. Av.

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: Avoid contact with metals.

Incompatibility (materials to avoid): Chlorine bleach, oxidizing agents.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: May occur:

Will not occur: X

Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	1mg/m3	1mg/m3	N. Av.	4,400mg/kg (rat, oral)	7.7mg/l (rat, 4H)
B	None	None	N. Av.	2.33ml/kg (rat)	7.1mg/l (rat 1h)
C	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: N. Av.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred.

RCRA Hazard Class: D002, characteristic corrosive.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, Acidic inorganic N.O.S. (Phosphoric acid), 8

UN Number: 3264

Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 11-29-2004

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

Canada Regulations

TSCA Status: All ingredients listed.

DSL Status: All ingredients listed

CERCLA Reportable Quality: > 5,000 lbs. Phosphoric acid

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health

Section 313 Toxic Chemicals: Phosphoric acid

WHMIS Class E Risk phrase: R21, R22, R41

Precautions: S2, S26, S62

SECTION XVII - OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Control Products Regulations and the MSDS contains all the information required by the control Products Regulations.

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

3 A. Health Hazard

0 A. Fire Hazard

0 A. Reactivity Hazard

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