MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Special Blend Acid (SPE100)

Product Class: Acid cleaner

Emergency Telephone Number: 800-535-5053 (INFOTRAC)

Telephone Number for Information: 763-509-7937 Manufacturer's Name and Address:

Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Common Name(s) Chemical Phosphoric Acid Α AS #7664-38-2 R Citric Acid CAS #77-92-9 С Water AS #7732-18-5

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: Inhalation: X

Eye: May cause burns. Skin: May cause 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?

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 amounts. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flood surface with water. If irritation persists seek medical attention Remove and wash contaminated clothing before reuse.

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):

Flammable Limits: N. Ap. LFL UFI

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: Hydrogen chloride is non-flammable, however

flammable hydrogen gas can be generated when it is in contact with metals.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None Sensitivity to Static Discharge:

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 Other: Not required

TLV (Section XI).

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 % Volatile: Specific Gravity (H20) = 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
Vapor Pressure (MM HG): N. Av. Coefficient: N. Av.

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: 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

OSHA PEL ACGIH TLV LD50 LC50 Chemical Recom. 4,400mg/kg 1mg/m3 1mg/m3 N Av 7.7mg/l (rat, oral) (rat, 4H) В N Av N. Av. N Av N. Av. N. Av.

N Av

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:

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Neutralize and dispose of spilled material in accordance with local, state and federal

regulations. Waste from normal cleaning procedures may be sewered.

RCRA Hazard Class: DOO2, characteristic corrosive.

SECTION XIV - TRANSPORT INFORMATION Shipping Classification: Corrosive liquid, Acidic inorganic N.O.S. (Phosphoric acid) 8

UN Number: 3264 Packing Group:

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department Telephone Number: 763-509-7937

Date: 2-9-2010

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA 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 SECTION XVII - OTHER INFORMATION

None

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

NFPA SYSTEM

2 A. Health Hazard _0_ A. Fire Hazard _0_ A. Reactivity Hazard

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