MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Aluma-Clean (ALU120)

Product Class: Low pH Wash Cleaner

Emergency Telephone Number: 800-535-5053 (INFO TRAC)
Telephone Number for Information: 763-509-7937

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) Hydrofluoric acid (HF) Α CAS #7664-39-3 Sulfuric acid В CAS #7664-93-9

Water C

CAS #7732-18-5

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Amber liquid, mild aroma.

Primary Hazards: Corrosive Toxic

Potential Health Hazards

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

Eye: Causes severe chemical burns if contact occurs. Skin: Causes severe chemical burns if contact occurs.

Ingestion: Harmful or fatal if swallowed. Inhalation: Overexposure to vapors harmful.

Signs and Symptoms of Exposure: Irritation and/or burning sensation on contact can

be delayed up to 24 hours.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ (s):

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: Fluoride poisoning.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures: Treat for Fluoride Poisoning.

If Swallowed: Do not induce vomiting. Rinse mouth and drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. Skin Contact: Flush thoroughly with cool water. Remove contaminated clothing and apply calcium gluconate gel. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

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

products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: N. Av. Autoignition Temperature:

LEL

UEL

Flash Point (method used): Flammable Limits: N. Av.

Extinguishing Media:

Water? Foam? Water Fog? X Alcohol Foam? X CO₂? X Dry Chemical? X

Vaporizing Liquid? X Other?

Special Fire Fighting Procedures: High heat will release acidic vapors.

Unusual Fire and Explosion Hazards: TDG Flammability Classification: N. Av Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: N. Ap.

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. Do not store near heat or open flame.

Other Precautions: Keep out of reach of children. Do not breathe spray mist.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Required if above PEL (HF).

Ventilation: Local Exhaust: Required Special: Required

Mechanical (General): Provide ventilation adequate to disperse Other: Not required

cleaner vapors and or mists.

Protective Gloves: Synthetic. Eye Protection: Approved safety goggles or glasses.

Footwear: Chemical

Other Protective Clothing or Equipment: Chemical resistant Full Coverage

Work/Hygienic Practices: Do not contaminate food or beverages chemicals

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F Specific Gravity (H20) = 1: 1 –1.1 . % Volatile:

Vapor Density (Air = 1): N. Av. 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: Sta Conditions to Avoid: Mix only with water Stable:

Incompatibility (materials to avoid): Metals, Alkaline materials

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: Will not occur: X May occur:

Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical **OSHA PEL ACGIH TLV** Recom. LD50 LC50 N. Av. .N. AV. N. AV. mag 8 mag E В 1 mg/m3 2,140 mg/kg 1 mg/m3 N. Av. 30 mg/m3 (rat, oral) (rat, 8 hr.) N. Ap. N. Ap. N. Ap. N. Ap.

Teratogen, Mutagen, Reproductive Toxin Status:

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:

Dispose of spilled material in accordance with local, state, and federal regulations.

RCRA Hazard Class: D002 Corrosive

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, toxic, n.o.s., (Hydrofluoric acid Sulfuric acid),

Classification: 8, (6.1) UN Number: 2922 Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 2-22-2010

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed. CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: Hydrogen fluoride Section 311/312 Hazard Category: Immediate health hazard Section 313 Toxic Chemicals: Hydrogen Fluoride

SECTION XVII - OTHER INFORMATION

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

NFPA SYSTEM

3 A. Health Hazard 1 A. Fire Hazard _0_ A. Reactivity Hazard

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