



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 1-877-866-9742	Product Name:	SUP110
		Product Code:	Alumalite
		Recommended Use:	Aluminum brightener
		Revision Date:	1/10/2018
Chemical Emergency:	Infotrac: 1-800-535-5053		

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Acute Toxicity - Dermal	Category 2
Acute Toxicity - Oral	Category 3
Acute Toxicity - Inhalation	Category 3
Skin Corrosion	Category 1
Serious Eye Damage	Category 1
Carcinogenicity	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 1
Specific Target Organ Toxicity (Repeated or Prolonged Exposure)	Category 1
Corrosive to Metals	Category 1

Signal Word

DANGER!



Hazard Statements

Fatal in contact with skin
Toxic if swallowed
Toxic if inhaled
Causes severe skin burns and eye damage
Causes serious eye damage
May cause cancer
Causes damage to organs
Causes damage to organs through prolonged or repeated exposure
May be corrosive to metals

Precautionary Statements - Prevention

Do not get in eyes, on skin, or on clothing
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower
Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up

Hazards Not Otherwise Classified:

Causes severe burns which may not be immediately painful or visible.

Store in a well ventilated place. Keep container tightly closed

May cause hypocalcemia (depletion of calcium in the body) which may be fatal.

Store in a corrosive resistant container with a resistant inner liner Specialized medical treatment is required for all exposures.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Hydrofluoric Acid	7664-39-3	0 - 5%
Sulfuric Acid	7664-93-9	0 - 5%
Proprietary Blend	Trade Secret	0 - 3%

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

SECTION 4: FIRST-AID MEASURES

First Aid Measures

- General Advice:** Immediate attention is required. Contains Strong Acid. Harmful or fatal if swallowed. Causes severe burns to eyes, skin, and respiratory tract. Wear protective clothing when handling this product. Keep out of reach of children. Use with care.
- Eye Contact:** Immediate medical attention is required. Immediately flush with cool running water for at least 30 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable. Take the victim to a doctor, preferably an eye specialist, as soon as possible. Ice water compresses may be applied to the eyes while transporting the victim to the doctor. Rubbing of the eyes is to be avoided.
- Skin Contact:** Immediate medical attention is required. Remove victim from the contaminated area and immediately wash the burned area with plenty of water. Remove all contaminated clothing while washing continuously. After thorough washing for at least 5 minutes, the burned area should be immersed in a solution of 0.13% iced aqueous Benzalkonium Chloride. Alternately, 2.5% calcium gluconate gel may be continuously massaged into the burn area. For burns not responsive to topical treatment, a physician may inject 2.5 - 5% aqueous calcium gluconate beneath, around, and in the burned area.
- Ingestion:** If swallowed, call immediately for emergency medical assistance. Ingestion of Hydrofluoric Acid is a life-threatening emergency. DO NOT induce vomiting. Have the victim drink several large glasses of water or milk to dilute the acid. If possible, give several ounces of milk of magnesia or any calcium containing antacid. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. Call a physician or poison control center immediately. Calcium gluconate, 2.5% in normal saline may be given by nebulizer with oxygen. Victim should be examined by a physician and held under observation for at least 24 hours.

Most Important Symptoms and Effects

Symptoms: Severe burns to eyes, skin, and respiratory tract.

Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically as described above.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties

- Flammability:** Not considered to be a fire hazard.
- Explosive Prop:** Not considered to be an explosive hazard.

Extinguishing Media

- Suitable:** Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable:** DO NOT USE WATER

Specific Hazards Arising from Chemical

Hazards: The product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.

Protective equipment and precautions for fire-fighters

Fire-Fight Method: In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precaution: Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

Environ. Clean-Up Method: Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or area thoroughly with water. Prevent product from entering drains.

SECTION 7: HANDLING AND STORAGE

Handling: Wear personal protective equipment. Ensure all equipment is compatible with Hydrofluoric Acid. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

Storage: Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

Incomp. Materials: Glass and silicate-containing materials. Alkalis. Carbonates. Sulfides. Metals. Oxidizing agents. Strong reducing agents. Water.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines**

Hazardous Chemical	OSHA PEL	ACGIH TLV
Hydrofluoric Acid	2.5 mg/m ³	2 ppm
Sulfuric Acid	1 mg/m ³	0.2 mg/m ³
Proprietary Blend	Not Determined	Not Determined

Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment (PPE)

Eyes: Recommend goggles or face shield, giving complete protection of eyes.

Respiratory: In case of insufficient ventilation wear suitable respiratory equipment. Use NIOSH approved respiratory protection.

Skin: Avoid skin contact. Recommend chemical resistant gloves and complete suit protecting against chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State: Liquid	Freezing Point: Not determined
Appearance: Clear liquid	Boiling Point: Not determined
Color: Colorless	Evaporation Rate: Not determined
Odor: Extremely acrid	Vapor Pressure: Not determined
Odor Threshold: No information available	Vapor Density: Not determined
pH: 0 - 1.0	Relative Density: Not determined
Flash Point: Not determined	Flammability: Not determined
Water Solubility: Soluble in water	Explosive Limits: Not determined
Viscosity: Not determined	Part. Coefficient: Not determined
Specific Gravity: 1.04	Auto-ignition Temp: Not determined

Melting Point: Not determined**Decomp. Temp:** Not determined**SECTION 10: STABILITY AND REACTIVITY**

Stability: Stable under ordinary conditions of use and storage.

Haz. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Haz. No information available.

Incompatibilities: Glass and silicate-containing materials. Alkalis. Carbonates. Sulfides. Metals. Oxidizing agents. Strong reducing agents. Water.

Conditions to Avoid Heat, moisture and incompatibles.**SECTION 11: TOXICOLOGY INFORMATION****Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Hydrofluoric Acid	Not Determined	Not Determined
Sulfuric Acid	2140 mg/kg (rat)	Not Determined
Proprietary Blend	Not Determined	Not Determined

Potential Health Effects

Exposure Routes: Eye Contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: Causes serious eye damage with tearing, redness, and impaired vision.

Skin: Causes severe burns which may not be immediately painful or visible. Symptoms may include pain, redness of skin and possible tissue destruction. Hydrofluoric acid will penetrate skin and attack underlying tissue. May cause hypocalcemia which may be fatal.

Ingestion: Harmful if swallowed. Corrosive to mucous membranes, esophagus and stomach.

Inhalation: Respiratory irritant.

Chronic Effects: Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory

Carcinogenicity: Sulfuric acid - IARC (International Agency for Research on Cancer) Group 1: Carcinogenic to humans

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Hydrofluoric Acid	60 mg/L freshwater fish	270 mg/L (48 h: Daphnia)
Sulfuric Acid	500 mg/l (96 h: Brachydanio rerio)	29 mg/l (24 h: Daphnia)
Proprietary Blend	Not Determined	Not Determined

Environmental Toxicity

Biodegradation: No information available.

Persistence: No information available.

Bioaccumulation No information available.

Mobility: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

Container: Drain contaminated container thoroughly. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with all federal, state, and local regulations.

DOT

Proper Name: Corrosive Liquid, Toxic, n.o.s. (Hydrofluoric Acid and Sulfuric Acid)

Hazard Class: 8 (6.1)
UN Number: UN2922
Packing Group: II

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.

CERCLA Reportable Quantity: Hydrofluoric acid: 100 lbs.

Sulfuric acid: 1000 lbs.

Section 311/312 Hazard Category

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: Yes

Section 313 Toxic Chemicals

Hydrofluoric Acid and Sulfuric Acid

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 1-877-866-9742

Issue Date: 4/30/2015

Revision Date: 1/10/2018

Revision Note: Product renamed

Version: II

Disclaimer: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. Ver-tech Labs cannot anticipate all conditions under which this information and its product may be used. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet