

OSHA Hazard Communication Standard 29 CFR 1900.1200
Prepared to GHS Rev. 4



**SAFETY
DATA SHEET**

SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Aluminum Brightner
Product Use: Aluminum Cleaner, Brightner and Deoxidizer
Use Restrictions: For Industrial and Professional Use Only
Manufacturer: Ultra-Look Corp.
3903 Progress Drive
Lakeland, FL 33811
Phone: 863-607-6700
Transportation Emergency: 800-535-5053 (INFOTRAC)

SECTION 2- HAZARDS IDENTIFICATION

1) GHS Classification of the substance or mixture:

- Corrosive to metals- Category 1
- Acute toxicity, Oral- Category 3
- Acute toxicity, Inhalation- Category 4
- Skin corrosion/irritation- Category 1
- Serious eye damage/eye irritation- Category 1

2) Label Elements:



Signal Word: Danger

Hazard Statements:

- H290- May be corrosive to metals
- H301- Toxic if swallowed
- H314- Causes severe skin burns and eye damage
- H318- Causes serious eye damage
- H332- Harmful if inhaled
- H335- May cause respiratory irritation

Precautionary Statements:

- P102- Keep out of reach of children
- P234- Keep only in original container
- P260- Do not breathe fume/mist/vapors/spray
- P262- Do not get in eyes, on skin, or on clothing

P264- Wash skin thoroughly after handling
P280- Wear protective gloves/protective clothing/eye protection/ face protection.
P284- Wear respiratory protection.

Response Statements:

P303+P353+P361+P363- IF ON SKIN (or hair): Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.
P304+P340+ IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331+P313- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

Storage and Disposal Statements:

P405- Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national regulation.

Other Hazards:

OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

HMIS Classification:

Health Hazard- 3
Chronic Health Hazard- 2
Flammability- 0
Physical Hazards- H

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical/Common Name</u>	<u>CAS #</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS</u>
Ammonium Bifluoride	1341-49-7	1-3%	Yes
Sulfuric Acid	7664-93-9	15-25%	Yes

SECTION 4- FIRST AID MEASURES

Inhalation: If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.
Skin: Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse.
Eyes: Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.
Ingestion: Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5-FIRE FIGHTING MEASURES

Flash Point: None to boiling
Autoignition Temperature: Non combustible
Lower Explosive Limit: N/A **Upper Explosive Limit:** N/A

General Hazards-

Fire: Product is not flammable or combustible.
Suitable Extinguishing Media: As required to fight surrounding fire.
Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire and Explosion Hazards: None known
Hazardous Combustion Products: None known

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions: Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

SECTION 7- HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapor or mist. Use only with adequate ventilation.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
Sulfuric Acid	7664-93-9	0.2 mg/m ³	1 mg/m ³
Ammonium Bifluoride	1341-49-7	2.5 mg/m ³	2.5 mg/m ³

Personal Protective Equipment-

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Hand protection: Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: Wear safety glasses with side shields.

Skin and Body Protection: Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid
Odor:	Sharp
Odor Threshold:	N/D
Melting Point:	N/D
Solubility in Water:	Complete
Boiling Point:	230°F
Specific Gravity (WATER=1):	1.20
Vapor Pressure (mmHg):	N/D
Vapor Density (AIR=1):	N/D

Evaporation Rate (WATER=1):	Approaches water
Flash Point (C.O.C.):	None
pH (1% w/w in water):	1.0-1.5

SECTION 10- STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.

Material to Avoid: Avoid contact with alkalis and strong oxidizers such as permanganate, chlorine, ect.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None

SECTION 11- TOXICOLOGICAL INFORMATION

Sulfuric Acid 93% (CAS 7664-93-9)-

Acute Toxicity: Harmful if inhaled. May cause respiratory irritation.

Acute oral toxicity- LD50 Oral: 2,296 mg/kg

Species: rat

Remarks: Ingestion causes burns to gastrointestinal tract.

Acute inhalation toxicity- LC50: ~ 510 mg/kg

Species: rat

Remarks: Exposure to mist causes severe burns to respiratory system.

Skin corrosion/irritation- causes severe skin burns and eye damage.

Serious eye damage/eye irritation- causes serious eye damage.

Respiratory or skin sensitization:

Respiratory sensitization- not a respiratory sensitizer.

Skin sensitization- this product is not expected to cause skin sensitization.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -single exposure: May cause respiratory irritation.

Specific target organ toxicity -repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Ammonium Bifluoride (CAS 1341-49-7)-

Acute Toxicity: Toxic if swallowed. Harmful if inhaled.

Acute oral toxicity- LD50 Oral: 130 mg/kg

Species: rat

Remarks: Ingestion causes burns to gastrointestinal tract.

Skin corrosion/irritation- causes severe skin burns and eye damage.

Serious eye damage/eye irritation- causes serious eye damage.

Respiratory or skin sensitization:

Respiratory sensitization- not a respiratory sensitizer.

Skin sensitization- this product is not expected to cause skin sensitization.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -single exposure: Not classified.

Specific target organ toxicity -repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

SECTION 12- ECOLOGICAL INFORMATION

Sulfuric Acid 93% (CAS 7664-93-9)-

Ecotoxicity: Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Aquatic toxicity- LC50 Oral: 45.0644 mg/l

Duration: 96 hours

Species: fish

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Ammonium Bifluoride (CAS 1341-49-7)-

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13- DISPOSAL CONSIDERATIONS

Further information: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14- TRANSPORT INFORMATION

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

DOT-

UN Number: UN 3264

UN proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid & ammonium bifluoride)

Hazard class: 8

Packing group: II

SECTION 15- REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4):

Sulfuric Acid (CAS 7664-93-9) Listed.

Ammonium Bifluoride (CAS 1341-49-7) Listed.

SARA 304 Emergency release notification:

Sulfuric Acid (CAS 7664-93-9) 1000 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not listed.

SARA 302 Extremely hazardous substance:

Sulfuric Acid (CAS 7664-93-9) 1000 LBS

SARA 311/312 Hazardous Chemical:

Sulfuric Acid (CAS 7664-93-9)

Ammonium Bifluoride (CAS 1341-49-7)

SARA 313 (TRI reporting):

Sulfuric Acid (CAS 7664-93-9)

Other federal regulations-

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Sulfuric Acid (CAS 7664-93-9)

US state regulations-

US - California Candidate Chemicals: Listed on initial list:

Sulfuric Acid (CAS 7664-93-9)

US. Massachusetts RTK - Substance List:

Sulfuric Acid (CAS 7664-93-9)

Ammonium Bifluoride (CAS 1341-49-7)

US. New Jersey Worker and Community Right-to-Know Act:

Sulfuric Acid (CAS 7664-93-9)

Ammonium Bifluoride (CAS 1341-49-7)

US. Pennsylvania Worker and Community Right-to-Know Law:

Sulfuric Acid (CAS 7664-93-9)

Ammonium Bifluoride (CAS 1341-49-7)

US. Rhode Island RTK

Sulfuric Acid (CAS 7664-93-9)

Ammonium Bifluoride (CAS 1341-49-7)

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance:

Sulfuric Acid (CAS 7664-93-9) Listed: March 14, 2003

SECTION 16- OTHER INFORMATION

References: Not available

Other Special Considerations: Not available

Created: 06/01/2015

Revised From: 05/28/2014

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