SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: AB-73
Product Number: 2015
Manufacturer Information: Sunrise Environmental Scientific
Remit: PO Box 10207 Reno, NV 89510
Physical: 1175 Industrial Way Sparks, NV 89431
Phone Number: 775-359-8494 or 800-648-1153
Pages:3 Web: SUNRISENV.COM

Application: Aluminum Cleaner and Brightener
UN-Number: 2922
Emergency Phone No.
Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview:
Signal Word: DANGER
Keep out of reach of children.
Potential Health Effects:
Inhalation: Excessive inhalation of vapors may cause irritation of the respiratory tract, lung edema, chest pain, vomiting, dizziness and/or headache.
Skin Contact: Skin contact may cause irritation and/or burning sensation of skin.
Ingestion: May cause serious health effects including vomiting, nausea and/or severe gastrointestinal burn.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
*Phosphoric Acid	7664-38-2	5%≤27%	1 mg/m³	1 mg/m³	N/A
Hydrofluoric Acid	7732-18-5	1%≤10%	2.5 mg/m³	2.5 mg/m³	5 mg/m³

Comments: A proprietary formula. Strong acid causes eye burn. Use protective equipment.

4. FIRST AID MEASURES

Inhalation: Move to an uncontaminated area. Call physician immediately. If not breathing give artificial respiration. Give 3% calcium Gluconate solution by inhalation. Watch for edema of the upper airway.
Skin Contact: Flush with water, immediately remove all contaminated clothing. For concentrated contact apply calcium Gluconate gel
Ingestion: Do not induce vomiting, drink a large quantity of water and seek medical care.
Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes, followed by 17% calcium Gluconate solution rinse and seek physician help immediately.
Additional Information: None

5. FIRE FIGHTING MEASURES

Flash Point: Not flammable.
Upper Flammable Limit (UEL): N/A
Lower Flammable Limit (LEL): N/A
Auto Ignition: N/D
Rate of Burning: N/D
General Fire Hazards: Possibility of skin and eye burns from fumes, steam or from spray.
Hazardous Combustion Product: May produce irritating acid fumes. Carbon Monoxide/Sulfur Oxide.
Extinguishing Media: Foam, Co2 and/or dry chemicals.
Fire Fighting Equipment/Instructions: Use SCBA equipment with full face piece operated in the positive pressure mode.
NFPA Rating: (Flammability 0) (Health 3) (Reactivity 1)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin contact. Use chemical resistant gloves, safety goggles or face shield and protective clothing. Do not apply the acid above the eye level. When using strong acid use extreme caution and read the label completely before use.
Environmental Precautions: Isolate and evacuate the spilled area. Prevent additional further leakage or spillage, if safe to do so.
Method for Cleanup & Containment: Wear appropriate protective equipment and clothing during the clean-up. By utilizing personal protective equipment (PPE) dilute with water fog, neutralize with lime. Isolate spill and Use non-combustible material like vermiculite, sand, clay or other absorbance material to absorb the spilled liquid.
Additional Information: Follow local and federal regulations with regard to chemical spills.

7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE. Wash hands thoroughly after handling the product.

Storage Procedures: Keep in away from reactive chemicals in a cool, well ventilated area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH Components: Use ventilation adequate to maintain TLV.

OSHA Components: No

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: Use caution appropriate to strong acids utilizing goggles, face shield, chemical resistant gloves boots and apron.

Consider the effect of exposure potentials, handling practices, chemical concentration and ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear

Physical State: Liquid

Vapor Pressure: N/A

Boiling Point: 214°F

Solubility (H20): Soluble in water

Freezing Point: N/D

Odor: Sharp Sulfur like aroma

pH: N/D

Density: N/D

Vapor Density: N/A

Melting Point: N/D

Specific Gravity: 1.12

VOC: 0.0%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Contact with reactive metals.

Incompatibility: Oxidizing agents, strong chemicals and active metal cyanides.

Hazardous Decomposition: When heated to decomposition, emits toxic oxides of sulfur.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry: Inhalation, skin ingestion and eyes.

Acute Chronic Toxicity Data: Inhalation may cause lung edema. Eye exposure may cause irritation, burning, corneal damage with impairment of vision. Skin contact may cause irritation and burns. Ingestion can cause severe burns to entire gastrointestinal tract, including stomach and intestines.

NTP: No

IARC Monographs: No

Carcinogenicity: No component in this product is a carcinogenic.

Chronic Toxicity: Not established.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Follow local and federal disposal regulations for corrosive material. It is recommended to pH neutralize with lime or baking soda and be solidified with stabilizing absorbent material before disposal.

14. TRANSPORTATION INFORMATION

US DOT Information: UN 2922, Corrosive Liquids, toxic, n.o.s., (Hydrofluoric Acid)(Phosphoric Acid), 8, (6.1), PG II

Marine Pollutant: N/D

Shipping Name: AB-73

Required Label: Poison, Corrosive

15. REGULATORY INFORMATION

Classification: Poison, Corrosive

Hazard Symbol: Skull and Crossbones, Corrosive

US Federal Regulations:

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a moderate skin irritant, moderate eye irritant and a skin sensitizer.

SARA Title III-This product does contain chemicals component with known CAS number that exceed the threshold reporting levels established by SARA Title III, section 313. Phosphoric Acid ≤10% and Hydrofluoric Acid ≤10%.

State Regulations:

California Prop. 65

This product does not contain any chemicals known to state of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

SDS History

Date Prepared: 11/18/2013

Revision Date: 09/30/2021

Contact Information: **Sunrise Environmental Scientific**
Remit: PO Box 10207 Reno, NV 89510
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