

Effective Date: 7-1-2015



NON-EMERGENCY TELEPHONE

256-728-4925

24-HOUR CHEMTREC EMERGENCY

800-424-9300

SDS – SAFETY DATA SHEET

1. Identification

Product Identifier: E-610 Aluminum Brightener

Recommended Use of the Chemical and Restrictions on Use: Cleaning

Manufacturer / Supplier: ShowCar Products LLC, 53 Welcome Home RD, Grant AI 35747

Phone: 256-728-4925

Email: SHOWCAR@NEHP.NET

Emergency Phone Number: 24-Hour CHEMTREC 800-424-9300

2. Hazard(s) Identification

Classification of the Substance or Mixture:

Acute toxicity, Oral (Category 2)

Acute toxicity, Inhalation (Category 2)

Acute toxicity, Dermal (Category 1)

Skin corrosion, (Category 1A)

Serious eye damage (Category 1)

Specific target organ system toxicity (single exposure) (Category 3)

Risk Phrases:

IRRITATING TO EYES AND SKIN

CAUSES BURNS

IRRITATING TO RESPIRATORY SYSTEM

Label Elements:

Signal Word: Danger

Trade Name: E-610 Aluminum Brightener



Hazard Statements:

H300: Fatal if swallowed or in contact with skin

H330: Fatal if inhaled

H314: Causes severe skin burns and eye damage

Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapors / spray.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P284: Wear respiratory protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P264: WASH HANDS THOROUGHLY AFTER HANDLING.

P310: Immediately call a POISON CENTER or doctor / physician.

3. **Composition / Information on Ingredients**

Ingredient	CAS Number	Percent	Hazardous	Chemical Characterization
Water	7732-18-5	1-90%	NO	Mixture
Hydrofluoric Acid	7664-39-3	5-10%	YES	Mixture

4. **First-aid Measures**

In all cases, call a Physician immediately.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. CALL A PHYSICIAN IMMEDIATELY.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN IMMEDIATELY.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse. CALL A PHYSICIAN IMMEDIATELY.

Eye Contact: Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. CALL A PHYSICIAN IMMEDIATELY.

5. **Fire-fighting Measures**

Fire: Not considered to be a fire hazard. Contact with most metals causes formation of flammable and explosive Hydrogen gas.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool. If water is used, use in abundance to control heat and acid build-up.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. **Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate area. Keep unnecessary and unprotected personnel from entering. Absorb on inert media and collect into suitable container.

Environmental Precautions and Methods and Materials for Containment and Cleaning Up: Contain and recover liquid when possible. Do not let product enter drains. Absorb with an inert material (e. g., vermiculite, dry sand, earth,) and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

7. **Handling and Storage**

Precautions for Safe Handling and Conditions for Safe Storage, Including Any Incompatibilities: Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, incompatibilities, and direct sunlight. Corrosive to mild steel. Store in rubber lined container. Observe all warnings and precautions listed for the product.

8. **Exposure Controls / Personal Protection**

Ventilation System: A system of local and / or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded, a full face piece respirator with high efficiency dust / mist filter may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full face piece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in Oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and / or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. **Physical and Chemical Properties**

Appearance: CLEAR LIQUID

Odor: SHARP PUNGENT ODOR

Odor Threshold: Not determined

pH: 1

% Volatiles by volume @ 21C (70F): 80

Melting Point: 21C (70F) – 80% solution

Boiling Point / Boiling Range: >100C (>212F)

Flash Point:

Evaporation Rate (BuAc=1): No information found

Flammability: Not applicable

Upper / Lower Flammability or Explosive Limits: Not applicable

Vapor Pressure (mm Hg): 0.3 kPa (@ 20°C)

Vapor Density (Air=1): 3.4 (Air = 1)

Relative Density: 1.685 g/cm³

Solubility: 100% in Water

10. **Stability and Reactivity**

Reactivity and / or Chemical Stability: Stable under ordinary conditions of use and storage. Substance can super-cool without crystallizing.

11. **Toxicological Information**

Emergency Overview: USE CAUTION WHEN HANDLING.

Potential Health Effects:

Inhalation: Inhalation is not an expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.

Ingestion: May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach. Severe exposures can lead to shock, circulatory collapse, and death.

Skin Contact: May cause light redness, pain, and severe skin burns.

Eye Contact: May cause light irritation and serious eye damage.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.

12. **Ecological Information**

Ecotoxicity: May be harmful to aquatic organisms due to the shift of the pH.

13. **Disposal Considerations**

Do not flush to drain. Follow local & state regulations for disposal.

14. **Transport Information**

UN Number: UN 1790

15. **Regulatory Information**

Not regulated

16. **Other Information**

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