

Safety Data Sheet



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Section 1. Chemical Product and Company Identification

Product Name Champion Aluminum Brightener
Product Use Acid cleaner
Product Code 4136
Date of Issue 8/4/15
Supersedes -

Emergency Telephone Numbers

CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Precautionary Statements:

P223 Keep container tightly closed
P261 Avoid breathing in dust, mist or vapors
P262 Do not get in eyes, on skin or on clothing
P264 Wash hands thoroughly after handling
P281 Use personal protective equipment as required
P401 Store at moderate temperatures

Hazard Statements:

H301 Toxic if swallowed
H314 Causes severe skin burns and eye damage
H331 Toxic if inhaled
H350 May cause cancer

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes Vapors, liquids and mists are extremely corrosive to the eyes.
Skin Vapors will be severely irritating. Liquids and mists can severely burn the skin.
Inhalation Vapors and mists are extremely corrosive to the nose, throat, and mucous membranes.
Ingestion Vapors, liquids and mists are extremely corrosive to the mouth, and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting, kidney damage, and collapse. Swallowing large quantities can cause death.

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Hydrogen Fluoride	7664-39-3	<10
Sulfuric Acid	7664-93-9	<15

Section 4. First Aid Measures

- Eye Contact** Flush immediately with clean water for 15 minutes. Seek medical attention. Treat all cases like hydrofluoric acid contact.
- Skin Contact** Flush immediately with clean water for 15 minutes. If burns or rash develop, seek medical attention. Treat all cases like hydrofluoric acid contact.
- Inhalation** Remove to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
- Ingestion** Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



- Hazardous Combustion Products** Not combustible
- Extinguishing Media** Media applicable to surrounding fire.
- Unsuitable Extinguishing Media** N/A
- Fire Fighting Procedures** Wear protective gear. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

- Spill Clean Up** All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

- Handling and Storage** Keep container tightly closed when not in use. Store at moderate temperatures. Do not contaminate. Keep from freezing. Keep out of the reach of children. Have eyewash accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Hydrogen Fluoride (7664-39-3)	3ppm	3ppm		0.5ppm
Sulfuric Acid (7664-93-9)	1mg/m ³	1mg/m ³		0.2mg/m ³

- Engineering Controls** Local exhaust is normally adequate

**Personal Protective Equipment (PPE)**

- Eyes** Safety glasses or chemical splash goggles
- Body** Rubber or neoprene gloves, rubber aprons
- Respiratory** Not usually required; use NIOSH approved respirator if TLV are reached or exceeded

Section 9. Physical and Chemical Properties

- Physical State** Liquid
- Color** Clear
- Explosive Limits** N/A
- Vapor Pressure** N/A

Odor	Slightly acidic odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	0.0-1.5	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	N/A	Auto-Ignition Temp.	N/A
Flash Point	N/A	Decomposition Temp.	N/A
Evaporation Rate	>1	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	1.1-1.2

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Alkaline materials and will etch glass
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	None
Conditions to Avoid	N/A

Section 11. Toxicological Information

Routes of Entry	Dermal, oral and inhalation
Symptoms	Corrosion
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	Sulfuric Acid: Group 1 (known carcinogen to humans)
Reproductive Toxicity	No information found
Target Organs	See section 2

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	No data	
Oral	532mg/kg	ATE determined Category 4
Inhalation	3,857ppm	ATE determined Category 4

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1786	Hydrofluoric Acid and Sulfuric Acid Mixture	8,6.1	PGI	Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations	The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:	Hydrogen Fluoride	7664-39-3	<10
		Sulfuric Acid	7664-93-9	<15
	The following substances have CERCLA reportable quantity values (in pounds):			
		Hydrogen Fluoride	7664-39-3	100
		Sulfuric Acid	7664-93-9	1,000
State Regulations	Sulfuric Acid is known to the state of California (Prop 65) to cause cancer.			

Section 16. Other Information

Last Revision 8/4/15

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.