

SAFETY DATA SHEETS

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

CHEMTREC EMERGENCY TEL: 1-800-424-9300

O.C.C.S. 10680 FERN AVE STANTON CA 90680

PRODUCT ITEM#: 8020-ALUMOSHINE

DATE PREPARED: 3/17/2021

RECOMMENDED USE: Aluminum Cleaner & Brightener

RESTRICTIONS ON USE: For Industrial and Professional Use

PRODUCT DILUTION INFORMATION: Ready to use

SECTION 2 – HAZARDOUS INGREDIENT/IDENTITY INFORMATION

GHS Classification

Corrosive to metals: Category 1

Acute Toxicity (Inhalation): Category 4

Skin Corrosion: Category 1A

Serious Eye Damage: Category 1

GHS LABEL ELEMENT:



Signal Word: Danger

Hazard Statements: Corrosive to metals, eyes and skin. Harmful if swallowed. Causes severe skin burns and eye damage. Harmful to aquatic life.

PRECAUTIONARY STATEMENTS: If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Do not breathe dust / fume / gas / mist / vapors / spray. Wear protective gloves / protective clothing / eye protection / face protection. Wear respiratory protection. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician. **IF ON SKIN (or hair):** Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep only in original container. Dispose of contents/ container to an approved waste disposal plant.

OTHER HAZARDS: None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

PURE SUBSTANCE/MIXTURE: **CHEMICAL NAME:** Mixture **PERCENTAGE %**

HYDROFLUORIC ACID -CAS# 7664-39-3

Proprietary

SULFURIC ACID-CAS# 7664-93-9

Proprietary

PHOSPHORIC ACID-CAS# 7664-38-2

Proprietary

SECTION 4 – FIRST AID MEASURES

SKIN: Flush exposed area with cool water for 30 minutes, then soak in an iced solution of benzalkonium Chloride.

Consult physician immediately.

EYES: When this product comes in contact the eyes it can cause severe eye damage. If product comes in contact with eyes flush eyes with warm water for 30 minutes and consult a physician immediately.

INGESTION: When concentrated solutions of this product are swallowed; severe damage to the mouth esophagus, and stomach will occur. DO NOT INDUCE VOMITING. Have patient drink large amounts of milk, water chalk mixture, or plain water. Get immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Call a physician immediately.

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SECTION 5 – FIRE – FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA: Dry chemical, Foam, CO₂, Water spray

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Non Flammable or combustible

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Use personal protective equipment

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: At all times wear rubber gloves and goggles.

ENVIRONMENTAL PRECAUTIONS: Do not allow contact with soil or storm drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Wipe or mop up small spills. Dike and absorb large spills with absorbent. Place all material into DOT-approved containers. Flush to a sanitary sewer with water. Do not permit material to enter storm drains, surface water, or contaminate land. Provide adequate ventilation.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling and Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, always add the acid to water; never add water to the acid. When opening metal containers, use non-sparking tools because of the possibility of Hydrogen gas being present. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid.) Observe all warnings and precautions listed for the product. Do not store near food.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: OSHA Permissible Exposure Limit (PEL) - 1 mg/m³ (TWA) ACGIH Threshold Limit Value (TLV) - 0.2 mg/m³(T) (TWA) A2 Suspected Human Carcinogen for sulfuric acid contained in strong inorganic mists

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 and engineering controls are not feasible, a respirator with an acid gas cartridge and particulate filter (NIOSH type N100 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. If oil particles (e.g. lubricants, cutting fluids, Glycerine, etc.) are present, use a NIOSH type R or P particulate filter. 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 a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Liquid **ODOR:** Acidic **pH:** <2 **MELTING POINT/FREEZING POINT:** N/A
INITIAL BOILING POINT AND BOILING RANGE: N/A **FLASH POINT:** N/A **EVAPORATION RATE:** N/A
FLAMMABILITY (SOLID, GAS): N/A **UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:** N/A
VAPOR PRESSURE: N/A **VAPOR DENSITY:** N/A **RELATIVE DENSITY:** 1.15 **SOLUBILITY:** N/A
PARTITION COEFFICIENT: N-OCTANOL/WATER: N/A **AUTOIGNITION TEMPERATURE:** N/A **DECOMPOSITION TEMPERATURE:** N/A **VOC:** 0

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable **POSSIBILITY OF HAZARDOUS REACTIONS:** Heat, moisture, incompatibles.

CONDITIONS TO AVOID (E.G., STATIC DISCHARGE, SHOCK OR VIBRATION): None

INCOMPATIBLE MATERIALS: Potassium Chlorate, Potassium Perchlorate, Potassium Permanganate, Sodium, Lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields Hydrogen gas), strong oxidizing and reducing agents and many other reactive substances.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of oxides of sulfur when heated to decomposition. Will react with water or steam to produce toxic and corrosive fumes. Reacts with carbonates to generate Carbon Dioxide gas, and with cyanides and sulfides to form poisonous Hydrogen Cyanide and Hydrogen Sulfide, respectively.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Emergency Overview: POISON! DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR CONTACTED WITH SKIN. HARMFUL IF INHALED. AFFECTS TEETH. WATER REACTIVE. CANCER HAZARD. STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: Inhalation, Ingestion, Skin and Eye Contact

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: N/A
DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE: N/A

NUMERICAL MEASURES OF TOXICITY SUCH AS ACUTE TOXICITY ESTIMATES: N/A

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: N/A **PERSISTENCE AND DEGRADABILITY:** N/A **BIOACCUMULATIVE POTENTIAL:** N/A
MOBILITY IN SOIL: N/A **OTHER ADVERSE EFFECTS:** N/A

SECTION 13. DISPOSAL CONSIDERATIONS

DESCRIPTION OF WASTE RESIDUES: This product may contain a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

SAFE HANDLING AND METHODS OF DISPOSAL: Dispose of in accordance with all Local, State, and Federal regulations.

DISPOSAL OF ANY CONTAMINATED PACKAGING: Dispose of in accordance with all Local, State, and Federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER: 2922 **UN PROPER SHIPPING NAME:** CORROSIVE LIQUID, TOXIC, HYDROFLUORIC, SULFURIC & PHOSPHORIC ACID **TRANSPORT HAZARD CLASS:** 8,6.1 **PACKING GROUP:** II **MARINE POLLUTANT:** No

UN2922, CORROSIVE LIQUID, TOXIC, NOS, (HYDROFLUORIC, SULFURIC & PHOSPHORIC ACID), 8.6.1, PGII

SECTION 15. REGULATORY INFORMATION

WARNING:  This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov. □

EPCRA: Emergency Planning and community **EPCRA - Emergency Planning and Community Right-to-Know**

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: N/A

SARA 302: The chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does contain chemical components with known that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65: This product does contain chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories: 1907/2006 (EU) : not determined

Switzerland. New notified substances and declared preparations : not determined

United States TSCA Inventory : On TSCA Inventory

Canadian Domestic Substances List (DSL) : This product contains one or several components listed in the Canadian NDSL.

Australia Inventory of Chemical Substances (AICS) : not determined

New Zealand. Inventory of Chemical Substances : not determined

Japan. ENCS - Existing and New Chemical Substances Inventory : not determined

Japan. ISHL - Inventory of Chemical Substances (METI) : N/A

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SECTION 16. OTHER INFORMATION

Version : 1.0 Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NFPA:

Health: 3

Flammability: 0

Instability: 0

Special hazard: 0

HMS III:

Health:3

Flammability: 0

Physical Hazard: 1

0 = not significant,

1 =Slight,

2 = Moderate,

3 = High

4 = Extreme,

* = Chronic