

ALUMINUM BRIGHTENER & CLEANER CONCENTRATE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Aluminum Brightener & Cleaner Concentrate

DATE PREPARED: 10/31/2015

SUPERCEDED DATE: 4/09/2018

PRODUCT NUMBER: 508

PRODUCT FAMILY: Acid Detergent

MANUFACTURER: Industrial Chemical Solutions
4025 Highway 35 North
Columbia, MS 39429
(601) 522-2997

INFORMATION: Product Research and Development Department

EMERGENCY TELEPHONE NUMBER: CHEMTREC 1-800-424-9300 Intl. +1 703-527-3887

2. HAZARD IDENTIFICATION

SIGNAL WORD: DANGER

HAZARD CLASSIFICATION: Corrosive Liquid, Toxic

POTENTIAL HEALTH EFFECT: Toxic if ingested. Corrosive to skin, eyes and lungs.

ROUTE OF EXPOSURE: Skin contact, eye contact, ingestion, inhalation

GHS HEALTH CLASSIFICATION: Acute Toxicity, Oral 2; Acute Toxicity, Dermal 2;
Acute Toxicity, Inhalation 3; Skin Corrosion 1 B; Eye Damage / Irritation 1

GHS LABEL ELEMENTS:

H290 - May be corrosive to metal.

H310 - Fatal in contact with skin.

H330 - Fatal if inhaled.

H314 - Causes severe skin burns and eye damage.

H402 - Harmful to aquatic life.

H260 - Do not breathe dust/fumes/gas/mist/vapors/spray.

H262 - Do not get in eyes, on skin, or on clothing.

H264 - Wash exposed skin thoroughly after handling.

H270 - Do not eat, drink or smoke when using this product.

H271 - Use only outdoors or in a well-ventilated area.

H273 - Avoid release to the environment.

H280 - Wear protective gloves/boots/clothing/eye protection/face protection.

P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

P302+P361+P353 - If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty soap and water.

P363 - Wash contaminated clothing before reuse.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Pictogram



PRODUCT NAME: ALUMINUM BRIGHTENER & CLEANER CONCENTRATE

P390 - Absorb spillage to prevent material damage.

P403 - Store in a well-ventilated place.

P404+P233+P234+P405 - Store in a well ventilated area. Keep container tightly closed. Keep only in original container. Store looked up.

P406 - Store in corrosive resistant HDPE plastic container.

P501 - Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
Hydrofluoric Acid	7664-39-3	< 7%
Proprietary	Proprietary	< 1%
Proprietary	Proprietary	< 1%
Proprietary	Proprietary	< 1%
Water	7732-18-5	< 90%

4. FIRST AID MEASURES

SKIN CONTACT: Wash exposed skin thoroughly with soap and water or safety shower. Remove any contaminated clothing. Seek medical attention or advice.

EYE CONTACT: Flush eyes with an eye wash station for several minutes. Seek medical attention immediately.

INGESTION: Flush mouth. Do NOT induce vomiting. If conscious, give large quantities of water. Seek medical assistance immediately.

INHALATION: Move person to fresh air. Give oxygen or artificial respiration as needed. Seek medical assistance.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Non-flammable

FLASH POINT: Does not flash

SUITABLE EXTINGUISHING MEDIA: Dry chemical, foam or carbon dioxide, water spray

UNSUITABLE EXTINGUISHING MEDIA: Not established

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: None known

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear approved self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with eyes and skin. Spill area will be slippery. Wear proper protective equipment when dealing with spills or release.

ENVIRONMENTAL PRECAUTIONS: Contain spill to avoid release to the environment. Keep container closed and located in containment area.

METHODS FOR CONTAINMENT AND CLEAN-UP: Dike and contain spill. Collect liquid with an inert absorbent and transfer to container for reuse or disposal.

7. HANDLING AND STORAGE

HANDLING: Handle with care and avoid contact with skin and eyes. Always wear protective equipment. Wash thoroughly after handling.

STORAGE: Avoid release to the environment. Store in approved containers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE (TLV): Hydrofluoric Acid, 0.5 mg/m³; Sulfuric Acid, 0.2 mg/m³; Phosphoric Acid, 1 mg/m³

ENGINEERING CONTROLS: Ventilation equipment is required if mist levels are high.

EYE / FACE PROTECTION: Chemical goggles and full face shield

SKIN PROTECTION: Chemical resistant gloves, apron and boots

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

VISCOSITY: Not established

APPEARANCE: Clear blue

RELATIVE DENSITY: 8.8 lbs/gal

SPECIFIC GRAVITY: 1.06

ODOR: Acidic

SOLUBILITY: Soluble

BOILING POINT: Not established

VAPOR PRESSURE: Not established

VAPOR DENSITY: Not established

FREEZING POINT: Not established

DECOMPOSITION TEMPERATURE: Not established

PH: 1.0 - 2.0

PARTIAL COEFFICIENT N-OCTANOL/WATER: Not established

EVAPORATION RATE: < 1

FLASH POINT: Does NOT flash

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: Not established

UPPER FLAMMABLE/EXPLOSIVE LIMIT: Not established

AUTO-IGNITION TEMPERATURE: None known

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: No unusual conditions

INCOMPATIBLE MATERIALS: Strong alkalines, soft metals; do NOT mix with other chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and dioxide from thermal decomposition

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: Corrosive to eyes and skin

EFFECTS OF SHORT-TERM EXPOSURE: Irritation or burns to eyes, skin and mouth

INGESTION: Could cause systemic effects and, in some cases, death.

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: Not established

PERSISTENCE AND DEGRADABILITY: Biodegradable

BIOACCUMULATION/ACCUMULATION: Not established

13. DISPOSAL CONDITIONS

THIS MATERIAL WHEN DISCARDED IS A HAZARDOUS WASTE DEFINED BY 40 CFR 261. MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION: UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (Hydrofluoric Acid, Sulfuric Acid), 8 (6.1), PG11.

WATER SHIPPING INFORMATION: UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (Hydrofluoric Acid, Sulfuric Acid), 8 (6.1), PG11.

AIR SHIPPING INFORMATION: UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (Hydrofluoric Acid, Sulfuric Acid), 8 (6.1), PG11.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components listed on TSCA inventory.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
Hydrofluoric Acid	7664-39-3	< 7%

STATE REGULATIONS: California Proposition 65 - This product does not contain any chemicals currently listed.

INTERNATIONAL REGULATIONS: Class E corrosive under Canadian WHMIS; Class D-2A material causes toxic effects under Canadian WHMIS.

SECTION 15 NOTES: None

16. OTHER INFORMATION

PHONE NUMBER: (601) 522-2997

DATE OF PREPARATION: 10/31/2015

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