

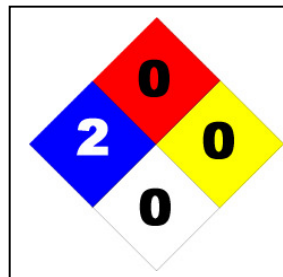


SAFETY DATA SHEET
 (Complies with 29 CFR 1910.1200 GHS standard)

SECTION I - IDENTIFICATION

KC Chemicals
 5500 State Park Road
 Travelers Rest, SC 29690
 (864) 834-2562

PRODUCT NAME: Aluminum Brightener
 PRODUCT CODE:
 CHEMICAL NAME: N/A
 CAS #: N/A
 MIXTURE (X) SINGLE SUBSTANCE ()



SECTION II – HAZARD IDENTIFICATION

CORROSIVE and IRRITANT

NFPA: Health – 2, Flammability – 0, Reactivity – 0, Special - 0

SECTION III – COMPOSITION AND INGREDIENT INFORMATION

MATERIAL OR COMPONENT	%	CAS #	HAZARD DATA
Hydrofluoric Acid	<20%	7664-39-3	23 ppm NIOSH
Ethylene Glycol Monobutyl Ether	<10%	111-76-2	20 ppm TWA (as 100% Glycol Ether)

SECTION IV – FIRST AID MEASURES

Inhalation: Immediately remove victim to breath fresh air, provide oxygen if is necessary.

Warning! Exposure over large areas may be fatal.

Contact: Eyes.- Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention immediately.
 Skin.- Immediately flush skin with plenty of soap and water, rinse with water while removing contaminated clothing. Wash contaminated clothing before reuse.

Ingestion: If ingested, induce vomiting and immediately call a physician.

SECTION V – FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED): >200°F estimated
 FLAMMABILITY LIMITS: LEL UEL
 EXTINGUISHING MEDIA: Water Fog, Dry Chemical or Alcohol Foam
 SPECIAL FIRE FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE PROCEDURES: Small spills may be neutralized and flushed into the sewer. Large spills should be contained by dikes and absorbed on appropriate media and/or collected in suitable containers.

WASTE DISPOSAL METHOD: All chemical spills should be disposed as per federal, state and local laws and regulations. In most cases, spills of this material collected or absorbed should be acceptable for ordinary sanitary land filling.

SECTION VII – HANDLING AND STORAGE

HYGIENE PRACTICES IN HANDLING AND STORAGE: Store in a cool, dry, well ventilated area.
 OTHER PRECAUTIONS: None

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Glasses and Goggles
 RESPIRATORY PROTECTION: None required
 SKIN PROTECTION: Rubber or vinyl gloves and ordinary clothing for exposed skin.
 OTHER PROTECTION: None
 VENTILATION RECOMMENDATION: Avoid use in confined spaces. Under normal conditions, typical mechanical ventilation in commercial buildings should be adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212°F
SPECIFIC GRAVITY: 1.010
VAPOR PRESSURE: N/A
PERCENT VOLATILE BY VOLUME: >60%
VAPOR DENSITY: N/A
EVAPORATION RATE (H₂O = 1): NA
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Water thin colorless liquid with pungent odor.
pH AS RECEIVED: less than 2.5

SECTION X – STABILITY AND REACTIVITY

STABILITY: STABLE: X UNSTABLE:
CONDITIONS TO AVOID: None
INCOMPATIBILITY (MATERIALS TO AVOID): Acids, especially strong mineral or organic acids
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: X

SECTION XI – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: 3 ppm as 100% HF

SECTION XII – ECOLOGICAL INFORMATION

Toxicity and Aquatic Toxicity: NA

SECTION XIII – DISPOSAL CONSIDERATIONS

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SECTION XIV – TRANSPORT INFORMATION

DOT Corrosive
UN 1790, Corrosive Liquid NOS (Hydrofluoric Acid with not more than 60 percent strength), 8, II
ERG # 157

SECTION XV – REGULATORY INFORMATION

Formulated Cleaning Chemical – Not Regulated

SECTION XVI – OTHER INFORMATION

The information and recommendations contained herein are to the best of KC CHEMICALS Inc.'s knowledge and belief, accurate and reliable as of the date issued. However, it is the user's responsibility to determine the safety, toxicity, and suitability for their own use of the product described herein. Since the actual use of this product is beyond the control of KC CHEMICALS Inc., no guarantee, expressed or implied, is made by KC CHEMICALS Inc.

PREPARED BY: Ken Carter

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SUPERSEDES: 11 August 2014

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5500 State Park Road
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WWW.KCCHEMICALS.COM