NuTech Specialties Inc.

SAFETY DATA SHEET

Version: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Aluminum Brightener SFXB200
Description:	Acidic liquid
Product Code:	NTA ABSXB200
Suggested Use:	Automotive cleaner for Aluminum
Restrictions on Use:	None Known
Supplier:	NuTech Specialties, Inc. 9811 South 6150 West West Jordan , UT 84081
Telephone:	801-253-1000 (M-F) 8:00-5:00
Fax:	801-280-0307
Emergency Phone:	800-633-8253

2. HAZARDS IDENTIFICATION

Classification: Skin corrosion 1A, serious eye damage 1

GHS Classification: Acute oral toxicity 4

GHS Label Elements

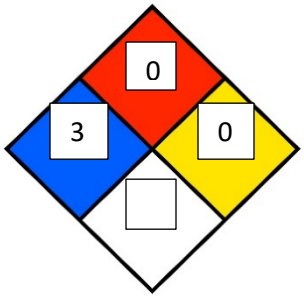
Pictogram:

Signal Word: Danger

Hazard Statements: H314, Causes severe skin burns and eye damage
H302, Harmful if swallowed

Precautionary Statements: P264, Wash thoroughly after handling
P270, Do not eat, drink or smoke when using this product
P280, wash thoroughly after handling
P301+P330+P331, If SWALLOWED: Rinse mouth. Do NOT induce vomiting
P305+P351+P338, If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and east to do. Continue rinsing.

HMIS Classification:



NFPA Rating:

Potential Health Effects:

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Sulfuric Acid	7664-93-9	20-40%
Ammonium Bifluoride	1341-49-7	3-5%

Synonyms:

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4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.

If Ingested:	Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

5. FIREFIGHTING MEASURES

Extinguishing Media:	Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
Hazardous Combustion Products:	Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.
Special Protective Equipment for Firefighters:	In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Always ensure adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.
Containment and Clean Up:	Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling:	Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.
Safe Storage:	Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Sulfuric Acid	7664-93-9	1 mg/m3	Us Tennessee
Ammonium Bifluoride	1341-49-7	2.5 mg/m3	OSHA

General Controls:	Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment

Eye Protection:	Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.
Hand Protection:	Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.
Skin Protection:	Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Acidic
Odor Threshold:	
pH:	1
Melting/Freezing Point:	Below 32° F
Boiling Point:	Above 212° F
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.14
Density:	9.5 lbs per gal
Solubility in Water:	Completely soluble
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Product: Aluminum Brightener SFXB200

Chemical Stability:	Stable under normal conditions
Conditions and Materials to Avoid:	Strong oxidizers and bases
Hazardous Decomposition Products:	Hydrogen, fluoride gas, nitrogen oxides, ammonia

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Sulfuric Acid	7664-93-9	Oral LD50	2140 mg/kg
Ammonium Bifluoride	1341-49-7	Oral	130 mg/kg

Potential Health Effects

Inhalation:	Chest pain, spitting blood, muscle spasms, convulsions
Skin:	Burns
Eyes:	Corneal burns, blindness
Ingestion:	Ulcerations, abdominal pain, nausea, vomiting
Signs and Symptoms of Exposure:	Burning sensation
Chronic Effects of Long Term Exposure:	Causes damage to lungs, mucous membranes
Carcinogenicity:	Not a carcinogen

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Sulfuric Acid	7664-93-9	Western mosquito fish	42 mg/1

Ecological Effects N/A

Persistence and Degradability:	No Data
Bioaccumulation Potential:	No Data
Mobility in Soil:	No Data
Other Adverse Effects:	No Data

13. DISPOSAL CONSIDERATIONS

Disposal:	Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging:	Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name:	Corrosive Liquids NOS, (Sulfuric Acid)
UN Number:	1760
Hazard Class:	8
Packing Group:	II
Reportable Quantity (RQ):	1000#
Marine Pollutant:	No
Note:	

15. REGULATORY INFORMATION

US Federal

SARA 302 Components:	Sulfuric Acid, Yes
SARA 311/312 Hazards:	Acute health, Yes
SARA 313 Components:	Sulfuric Acid, Yes
TSCA Inventory:	Yes

European Union

EC Inventory:

State Regulations

Utah Clean Air: Yes

16. OTHER INFORMATION

SDS Version:	2.0
Revision Date:	12/14/21
Supercedes:	New to GHS

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

NuTech Specialites, Inc.

Validated on: