

# Safety Data Sheet

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:** ..... Alum Brite  
**PRODUCT TYPE:** ..... Acidic Liquid Cleaning Compound  
**PRODUCT NUMBER:** ..... A0030XXX (Last 3 characters vary with the packaging)  
**CONTROL NUMBER:** ..... A0030XXX

**COMPANY:** ..... **Simoniz USA, Inc.**  
201 Boston Turnpike  
Bolton, CT 06043  
1-800-227-5536  
[www.simoniz.com](http://www.simoniz.com)

**EMERGENCY PHONE:**..... (800) 255-3924 (CHEM-TEL)

## 2 – HAZARDS IDENTIFICATION

**CLASSIFICATION OF SUBSTANCE/MIXTURE:** ..... Acute Toxicity Oral (2) Acute Toxicity Dermal (2)  
Acute Toxicity Inhalation (3) Skin Corrosion (1A) Serious Eye Damage (1)  
Respiratory Sensitizer (1A) Skin Sensitizer (1) Germ Cell Mutagenicity (2)  
Target Organ Toxicity- Single Exposure (1) Target Organ Toxicity - Repeated Exposure (1)

**SYMBOLS:** .....



**SIGNAL WORD:** ..... DANGER!

**HAZARD STATEMENT:** ..... Fatal if swallowed. Fatal in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing genetic defects. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:** ..... Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**RESPONSE:** ..... IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment (see First AID Section on this label). Rinse mouth IF ON SKIN: Wash with plenty of water and soap. Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. If skin irritation or a rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF exposed or concerned: Get medical advice/attention. IF exposed: Call

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a POISON CENTER or doctor/physician. Get Medical advice/attention if you feel unwell.

**STORAGE:**..... Store locked up. Store in a well ventilated place. Keep container tightly closed.

**DISPOSAL:** ..... Dispose of container and contents in accordance with local regulations.

## 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER	Concentration (%)
Water	7732-18-5	60-100
Phosphoric Acid	7664-38-2	1-10
Hydrofluoric Acid	7664-39-3	1-5

Exact percentages of ingredients are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals.

## 4 – FIRST-AID MEASURES

**BREATHING (INHALATION):**..... If this product is inhaled, get immediate medical attention!

**SWALLOWING (INGESTION):** ..... DO NOT INDUCE VOMITING! Drink a large quantity of water, followed by either milk or a minimum of 2 teaspoons of milk of magnesia. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

**EYES:** ..... Flush eyes with a large quantity of fresh water for at least 15 minutes. Apply ice compresses and GET IMMEDIATE EMERGENCY MEDICAL ATTENTION by an eye specialist. It may be necessary to take victim to a hospital emergency room.

**SKIN (DERMAL):** ..... Rinse completely from hands, face and clothing. Flush skin with fresh water for at least 15 minutes. Treat skin with iced aqueous solution of Benzalkonium Chloride 0.13%. This can be purchased from most drug stores as "Zephiran" concentrate(Winthrop). To make solution, dilute "Zephiran" concentrate 1 ounce to 1 gallon of water. Get immediate hospital emergency treatment. DO NOT apply this solution to the eyes.

**NOTE TO PHYSICIAN:** ..... Calcium Gluconate gel (2.5%) may also be used to treat skin exposures.

## 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:**..... This product is non-flammable.

**EXTINGUISHING MEDIA:**..... This product is non-flammable. Use extinguishing media suitable for materials already burning.

**SPECIAL FIRE FIGHTING PROCEDURES:** ..... Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA with a plastic hood window.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** ..... None known.

## 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**..... Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

**WASTE DISPOSAL:** ..... As recommended by local, state and federal authorities.

## 7 – HANDLING and STORAGE

**STORAGE:**..... Do not store in metal or glass containers. Store at ambient temperatures. Keep from freezing. Product mist will etch glass. DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

**HANDLING:** ..... Under normal use according to label instructions, special protection should not be necessary. Wear eye protection if product is likely to splash. Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery.

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## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:**..... If necessary, use an OSHA approved respirator for acid gases.  
**PROTECTIVE CLOTHING:** ..... Nitrile, vinyl or neoprene gloves. Splash goggles and face shield. Protective outerwear and boots.  
**ADDITIONAL MEASURES:**..... Under normal use according to label instructions, special protection should not be necessary. Wear eye protection if product is likely to splash. Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery.

INGREDIENT	C.A.S. NUMBER	PEL
Water	7732-18-5	No limits established
Phosphoric Acid	7664-38-2	1mg/m3TLV,3mg/m3STEL
Hydrofluoric Acid	7664-39-3	3 ppm, 6 ppm STEL

## 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE & ODOR:**..... Pink transparent liquid, with a sharp, irritating odor.  
**ODOR THRESHOLD:** ..... N/A  
**pH:** ..... Less than 1.0  
**MELTING POINT:** ..... 210 degrees F.  
**FREEZING POINT:** ..... N/A  
**BOILING POINT:** ..... 210 degrees F.  
**BOILING POINT RANGE:** ..... N/A  
**FLASHPOINT:**..... This product is non-flammable.  
**EVAPORATION RATE:** ..... N/A  
**FLAMMABILITY (solid/gas):** ..... N/A  
**EXPLOSION LIMITS:**..... N/A  
**VAPOR PRESSURE:** ..... N/A  
**VAPOR DENSITY (AIR=1):** ..... N/A  
**SPECIFIC GRAVITY:** ..... Greater than 1.  
**SOLUBILITY IN WATER:**..... Completely soluble.  
**PARTITION COEFFICIENT:**..... N/A  
**AUTO-IGNITION TEMPERATURE:**..... N/A  
**DECOMPOSITION TEMPERATURE:** ... N/A  
**VISCOSITY:** ..... Water thin

## 10 – STABILITY and REACTIVITY

**STABILITY:** ..... Stable under normal conditions.  
**HAZARDOUS DECOMP.:** ..... This product not known to polymerize.  
**INCOMPATIBILITY:** ..... Ferrous metals, aluminum, zinc, magnesium and any other acid sensitive materials.

## 11 – TOXICOLOGICAL INFORMATION

**ROUTE(S) OF ENTRY:** ..... Inhalation, skin absorption, or ingestion.  
**LISTED CARCINOGEN:** ..... None over 0.1%.  
**MEDICAL CONDITION AGGRAVATED:** ..... None known.  
**INHALATION:**..... Inhalation of significant amounts of this product can cause damage to lungs resulting in edema. If victim shows signs of distress, remove to fresh air and get immediate medical attention.  
**INGESTION:** ..... This material can cause burns and serious damage to throat, esophagus and stomach.  
**EYES:** ..... Can cause serious burns and/or blindness.  
**SKIN (DERMAL):** ..... This product can cause burns that are not immediately painful. This product will also damage underlying tissues such as nerves or bone. Treat all exposures as serious.

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ACUTE TOXICITY\* (ORAL):..... 13 mg/kg  
ACUTE TOXICITY\* (DERMAL):..... 126 mg/kg  
ACUTE TOXICITY\* (INHALATION):..... 19.98 mg/l (Vapor)

\*Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6)

## 12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

## 13 –DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: ..... As recommended by local, state and federal authorities.

## 14 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:..... Hydrofluoric acid, solution  
HAZARD CLASS:..... 8 (6.1)  
UN/NA NUMBER: ..... UN 1790  
PACKAGING GROUP :..... II

## 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

## 16 – OTHER INFORMATION

NFPA HEALTH: ..... 3  
NFPA FLAMMABILITY: ..... 0  
NFPA REACTIVITY:..... 0  
NFPA OTHER: ..... Acid

ADDITIONAL:..... The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe- read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

REVISION DATE:..... 01/20/2023