

# Safety Data Sheet

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**..... Simoniz CC Low pH Detergent & Presoak  
**PRODUCT TYPE:**..... Acidic Liquid Cleaning Compound  
**PRODUCT NUMBER:**..... S5000XXX (Last 3 characters vary with the packaging)  
**CONTROL NUMBER:**..... S5000XXX

**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, Dermal (1) Acute Toxicity, Oral (2) Acute Toxicity, Inhalation (3) Skin Corrosion (1A) Serious Eye Damage (1) Specific Target Organ Toxicity, Repeated Exposure (1) Specific Target Organ Toxicity, Single Exposure (2) Carcinogenicity (1B)

**SYMBOLS:** .....



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

**HAZARD STATEMENT:** ..... Fatal in contact with skin and if swallowed. Toxic if inhaled. Causes severe skin burns and eye damage. Causes damage to organs (Respiratory system, eyes, skin, bones, blood) through prolonged or repeated exposure. May cause damage to organs (Respiratory system, eyes, skin, bones, blood). May cause cancer.

### PRECAUTIONARY STATEMENTS:

**PREVENTION:**..... Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Do not touch eyes. Do not eat, drink or smoke when using this product. Wear protective gloves / protective clothing / eye protection / face protection. Do not breathe dust / fume / gas / mist / vapors / spray. Use only outdoors or in a well-ventilated area. Obtain, read and follow all safety instructions before use.

**RESPONSE:** ..... Get medical help if you feel unwell. **IF ON SKIN:** Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Get emergency medical help immediately. Specific treatment (see First Aid section). Wash

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contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get emergency medical help immediately. Specific treatment (see First Aid section). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment (see First Aid section). IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get emergency medical help. IF exposed or concerned: Get emergency medical help immediately.

**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
Water	7732-18-5
Hydrofluoric Acid	7664-39-3
Dodecyldimethylamine Oxide	1643-20-5
Sulfuric Acid	7664-93-9
2-Butoxyethanol	111-76-2
N,N-Dimethyltetradecylamine N-Oxide	3332-27-2

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):**... Maintain adequate ventilation in work area. If this product is inhaled, remove to fresh air and get immediate emergency medical attention!

**SWALLOWING (INGESTION):** . DO NOT INDUCE VOMITING! Rinse mouth, then 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 medical attention by an eye specialist! It may be necessary to bring person to a hospital emergency room.

**SKIN (DERMAL):**..... Rinse completely from skin and clothing with plenty of fresh water or for at least 15 minutes. Treat skin with 2.5% Calcium Gluconate gel or a cold aqueous solution of 0.13% Benzalkonium Chloride. Do NOT apply either treatment option to the eyes. Get immediate emergency medical attention!

*NOTE: Benzalkonium Chloride can be purchased from most drug stores as "Zephiran Chloride" concentrate (Winthrop). To make the solution, dilute "Zephiran Chloride" concentrate 1 ounce to 1 gallon of water.*

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## 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:** ..... This product is non-flammable.  
**EXTINGUISHING MEDIA:** ..... Use extinguishing media suitable for materials already burning. Water fog and fine water spray types are not recommended.  
**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:** ..... Adding water to concentrated-acid solutions can generate additional heat.

## 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:** ..... Store in a cool, well-ventilated area. Avoid overheating or freezing. Store locked up and keep container tightly closed. Do NOT store in metal or glass containers. Product mist will etch glass and corrode metal. Do NOT store product in an unmarked container.  
**HANDLING:** ..... Avoid and prevent all routes of exposure to this product. Wear eye, face, skin and/or respiratory protection when exposure to product is likely. Do NOT transfer this product to an unmarked container. Spilled material is slippery. Keep away from children!

*ATTENTION: Do NOT reuse empty container. Empty containers retain vapor and product residue, which can be dangerous.*

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator for acid gases.  
**PROTECTIVE CLOTHING:** ..... Neoprene, Butyl or Nitrile (double) gloves. Chemical 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, face, skin and/or respiratory protection when exposure to product is likely. Keep away from children!

INGREDIENT	C.A.S. NUMBER	OSHA PEL*
Water	7732-18-5	No limits established
Hydrofluoric Acid	7664-39-3	3 ppm, 2 mg/m <sup>3</sup>
Dodecyldimethylamine Oxide	1643-20-5	No limits established

*(Continued on next page)*

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INGREDIENT	C.A.S. NUMBER	OSHA PEL *
Sulfuric Acid	7664-93-9	1 mg/m <sup>3</sup>
2-Butoxyethanol	111-76-2	50 ppm, 240 mg/m <sup>3</sup>
N,N-Dimethyltetradecylamine N-Oxide	3332-27-2	No limits established

*\*When OSHA 8-hour TWA; STEL; and Ceiling PEL values are not established, NIOSH REL; ACGIH TLV; and AIHA WEEL values will be shown in that order, and indicated as such.*

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE & ODOR:** ..... Blue transparent liquid with a sharp, irritating odor.  
**ODOR THRESHOLD:** ..... N/A  
**pH:** ..... 0 – 4.0  
**MELTING POINT:** ..... N/A  
**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):** ..... Greater than 1.  
**SPECIFIC GRAVITY:** ..... 1.04  
**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.  
**INCOMPATIBILITY:** ..... Do not mix with caustics, strong oxidizing/reducing agents, cyanides, or other detergents.  
**HAZARDOUS DECOMPOSITION:** ..... Carbon monoxide, carbon dioxide, sulfur oxides, nitrous oxides and fluorine gas.  
**HAZARDOUS POLYMERIZATION:** ..... This product is not known to polymerize.

### 11 – TOXICOLOGICAL INFORMATION

**ROUTE(S) OF ENTRY:** ..... Absorption through skin and eyes. Ingestion. Inhalation.  
**LISTED CARCINOGEN:** .....

**IARC:**

**LISTED CARCINOGEN:** ..... Strong inorganic acid mists containing Sulfuric acid.  
**C.A.S. NUMBER:** ..... 7664-93-9  
**GROUP/CLASSIFICATION:** ..... 1 / Carcinogenic to Humans.

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**OSHA:**

**LISTED CARCINOGEN:** ..... Not listed.

**C.A.S. NUMBER:** .....

**GROUP/CLASSIFICATION:** .....

**NTP:**

**LISTED CARCINOGEN:** ..... Strong inorganic acid mists containing Sulfuric acid.

**C.A.S. NUMBER:** ..... 7664-93-9

**GROUP/CLASSIFICATION:** ..... Known to be a human carcinogen.

**MEDICAL CONDITION AGGRAVATED:**.....May aggravate pre-existing dermatitis and asthma.

**INHALATION:**..... Undiluted product can be toxic if inhaled; and can cause severe irritation, redness, burns or other damage to the mouth, nose and respiratory tract. Prolonged or repeated exposure may lead to edema; cancer of the larynx; and damage to the blood, bones and respiratory system.

**INGESTION:**..... Undiluted product can be fatal if swallowed; and can cause severe irritation, burns or other damage to the mouth, esophagus and stomach. Damage to the blood, kidneys, bones and liver. may also occur through prolonged or repeated exposure.

**EYES:**..... Undiluted product can cause serious irritation, redness, burns, blindness or other permanent damage if not immediately flushed from eyes.

**SKIN (DERMAL):**..... Undiluted product can be fatal in contact with skin; and can cause severe irritation, redness and burns to the skin and underlying tissue that may or may not be immediately painful, if left untreated. Prolonged or repeated exposure can also damage blood, kidneys, bones and liver. Treat all exposures as serious.

**ACUTE TOXICITY\* (ORAL):**.....48.03 mg/kg

**ACUTE TOXICITY\* (DERMAL):** .....48.08 mg/kg

**ACUTE TOXICITY\* (INHALATION):**.....4.72 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

**DOT:**

**PROPER SHIPPING NAME:**..... Hydrofluoric acid and Sulfuric acid mixtures

**HAZARD CLASS:**..... 8 (6.1)

**UN/NA NUMBER:** ..... UN 1786

**PACKAGING GROUP:** ..... I

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**IMDG:**  
**PROPER SHIPPING NAME:**..... HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE  
**HAZARD CLASS:**..... 8 (6.1)  
**UN/NA NUMBER:** ..... UN 1786  
**PACKAGING GROUP:** ..... I

## 15 – REGULATIONS

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

**California Proposition 65:**.....  **WARNING:** This product can expose you to chemicals including strong inorganic mists containing Sulfuric Acid, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

INGREDIENT	C.A.S. NUMBER	Listed Date
Strong Inorganic Acid Mists Containing Sulfuric Acid	---	03/14/2003 (Cancer)

## 16 – OTHER INFORMATION

**NFPA:**  
**HEALTH:** ..... 4  
**FLAMMABILITY:** ..... 0  
**REACTIVITY:**..... 1  
**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:** ..... 03/19/2024