

# SAFETY DATA SHEET



Issuing Date January 8, 2019

Revision Number 3

## 1. IDENTIFICATION

### Product identifier

Product Name Sulfuric Acid, 0.5N

### Other means of identification

Manufacturer number: SA1590-A

### Distributor Address

Best Sanitizers, Inc.  
PO Box 1360  
Penn Valley, CA 95946

### Emergency telephone number

Emergency Phone Numbers For Transportation Emergencies, call  
Aquaphoenix Scientific: 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Label Elements

Not Regulated  
There are no other hazards not otherwise classified that have been identified.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Sulfuric Acid	7664-93-9	< 5	-
Purified Water	7732-18-5	> 95	-

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First aid measures

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Hold eye(s) open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.

**Skin Contact** Wash affected area with warm water. Seek medical attention if skin irritation is experienced..

**Inhalation** Move to fresh air. Seek immediate medical attention if discomfort or irritation persists.

**Ingestion**

Rinse mouth thoroughly. Do NOT induce vomiting.  
Drink sips of water.  
Seek immediate medical attention if irritation, discomfort or vomiting persists.

**Most important symptoms and effects, both acute and delayed**

Nausea in case of ingestion.  
Gastric or intestinal disorders when ingested.

**Indication of any immediate medical attention and special treatment needed**

No relevant information available.

---

**5. FIRE-FIGHTING MEASURES**

---

**Suitable Extinguishing Media**

The product is not flammable. Use fire fighting measures that suit the environment.

**Unsuitable Extinguishing Media**

None.

**Specific Hazards Arising from the Chemical**

Formation of toxic gases is possible during heating or in case of fire.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protection recommended in Section 8. Ensure adequate ventilation. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

**Environmental Precautions****Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up****Methods for Containment**

If in a laboratory setting, follow Chemical Hygiene Plan procedures. Always obey local regulations. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor.

**Methods for Cleaning Up**

Use Limestone to neutralize and/or absorb spill. Clean affected areas with warm water.

---

**7. HANDLING AND STORAGE**

---

**Conditions for safe storage, including any incompatibilities****Storage**

Use only receptacles specifically permitted for this substance/product. Unsuitable material for receptacle; aluminum. Store in cool, dry condition in well-sealed receptacles.

**Incompatible Products**

Store away from foodstuffs. Do not store with alkalis.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuric Acid 7664-93-9	0.2mg/m <sup>3</sup>	1mg/m <sup>3</sup>	-

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls****Engineering Measures**

Keep away from foodstuffs. Wash hands before breaks and at the end of work. Immediately remove all soiled and contaminated clothing.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Wear safety glasses with side shields (or goggles).

**Skin and Body Protection**

Wear impermeable and resistant to the product/substance/preparation protective gloves. Selection of glove material on consideration of the penetration times, rates of diffusion and degradation.

**Respiratory Protection**

Not required under normal conditions of use. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. DO not Eat, Drink or Smoke when using this product. Do not inhale gases/fumes/dust/mist/vapors/aerosols. Avoid contact with eyes and skin.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

**Physical State**  
**Appearance**  
**Color**

Liquid  
Aqueous solution  
Clear

**Odor**  
**Odor Threshold**

Sulphurous  
No information available

**Property**  
**pH**

**Values**  
<1

**Remarks/ Method**  
None known

**Melting/freezing point**

Below 0°C

None known

<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	None known
<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	23 hPa (17.3 mm Hg)	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	Approximately 1	None known
<b>Water Solubility</b>	Soluble in water.	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient:</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

## 10. STABILITY AND REACTIVITY

### **Reactivity**

No relevant information available.

### **Chemical stability**

No decomposition if used and stored according to specifications

### **Possibility of Hazardous Reactions**

Toxic fumes may be released if heated above the decomposition point.

Reacts with certain metals.

Reacts with Alkalis.

### **Conditions to avoid**

Store away from oxidizing agents.

### **Incompatible materials**

Alkalis.

### **Hazardous Decomposition Products**

Oxides of Sulfur

## 11. TOXICOLOGICAL INFORMATION

### **Component Information**

Bases on available data, the classification criteria are not met.

### **Information on toxicological effects**

IARC: None of the ingredients are listed.

NTP: 7664-93-9 Sulfuric acid K

OSHA-Ca: None of the ingredients are listed

Probable routes of exposure: Ingestion, Inhalation, Eye Contact, Skin Contact.

## 12. Ecological Data

### **Ecotoxicity**

No relevant data available

### **Persistence and Degradability**

Not applicable for text method.

### **Bioaccumulation**

Not Bioaccumulative.

**Mobility in soil**

Aqueous solution has high mobility in soil.

**Other adverse effects**

No relevant data available

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system or open water.

**14. TRANSPORT INFORMATION**

**DOT**

Not Regulated

**15. REGULATORY INFORMATION**

**Chemical Inventories**

TSCA Complies

DSL/NDSL Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

**SARA 313**

None of the ingredients are listed.

**SARA 311/312 Hazard Categories**

None of the ingredients are listed

**US State Regulations**

**California Proposition 65**

None of the ingredients are known to cause cancer.

**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	1	0	0	W
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	1	0	0	X

Prepared By                      Technical Department

Preparation/Revision Date      January 2019

Version                              3

Reference

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**