

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** Sodium Hydroxide, 10.0N

### Other means of identification

**Manufacturer number:** SH6325-B

### 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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Carcinogenicity	Category 1A
Skin Corrosion	Category 1
Serious eye damage	Category1
Corrosive to metals	Category3

### **Signal word**

**Danger**

Causes serious eye damage. Category 1  
Skin Corrosion, category 1A

### **Hazard statements**

Causes serious eye damage.  
Causes severe skin burns and eye damage.



**Appearance** Aqueous Solution

**Physical State** Liquid

**Odor** Odorless

### **Precautionary Statements - Prevention**

Use personal protective equipment as required.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.  
Avoid breathing dust/fume/gas/mist/vapors/spray.

### **Precautionary Statements - Response**

If on skin (or hair): Remove/Takeoff immediately all contaminated clothing. Rinse skin with water/shower.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If swallowed: Rinse mouth. DO NOT induce vomiting.  
If exposed or concerned: Get medical advice/attention

### **Precautionary Statements - Storage**

Store locked up.

### **Precautionary Statements - Disposal**

Dispose of contents/container to approved waste disposal plant.

### **Hazards not otherwise classified (HNOC)**

None

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight %</b>	<b>Trade Secret</b>
Sodium Hydroxide	1310-73-2	30	*
Purified Water	7732-18-5	70	*

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

## **4. FIRST AID MEASURES**

### **First aid measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.
<b>Skin Contact</b>	Wash affected area with soap and water. Seek immediate medical attention.
<b>Inhalation</b>	Move to fresh air. Seek immediate medical attention if discomfort or irritation persists. Provide oxygen if breathing is difficult.
<b>Ingestion</b>	Rinse mouth thoroughly. Do NOT induce vomiting. Drink sips of water. Seek immediate medical attention.

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

Nausea, Headache, Shortness of breath

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

### **Notes to Physician**

If seeking medical attention, provide SDS document to physician.  
Physician should treat symptomatically.

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## **5. FIRE-FIGHTING MEASURES**

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### **Suitable Extinguishing Media**

Use appropriate suppression agents for adjacent combustible materials or sources ignition.

### **Unsuitable Extinguishing Media**

Not Determined or not applicable.

### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors.

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus and full protective gear. Containers may explode. Avoid contact with skin, eyes, and clothing

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## **6. ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Use personal protection recommended in Section 8. Endure adequate ventilation, especially in confined areas. Keep unprotected persons away.

### **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**

Absorb with non-combustible liquid-binding material, acid binders. Place into properly labeled containers.

#### **Methods for Cleaning Up**

Always obey local regulations Wear protective eyewear, gloves, and clothing.

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## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

#### **Handling**

Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke or use personal products when using this product. Follow good hygiene procedures when handling chemical materials.

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

**Storage** Keep Containers tightly closed in a dry, cool and well-ventilated place. Store away from foodstuffs.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	10mg/m <sup>3</sup>	2mg/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** Emergency eyewash fountains and safety showers should be available in the immediate vicinity of use/ handling. Proved exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits. Occupational exposure limits indicated above. Use under a fume hood.

**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. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulation.

**Hygiene Measures** The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and food 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 the eyes and skin.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Aqueous solution	<b>Odor Threshold</b>	No information available
<b>Color</b>	clear		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>
<b>pH</b>	Alkaline	None known

<b>Melting/freezing point</b>	Approximately 0°C	None known
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<b>Boiling point / boiling range</b>	Approximately 100°C	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>	14mm Hg @ 20C	None known
<b>Vapor density</b>	>1	None known
<b>Specific Gravity</b>	1.32	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

None under normal processing.

### Chemical stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None

### Conditions to avoid

Incompatible materials. Excessive heat..

### Incompatible materials

Acids. Organic halogen compounds. Metals such as aluminum, tin, and zinc.

### Hazardous Decomposition Products

Sodium oxides. Decomposition by reaction with certain metals releases flammable and explosive hydrogen gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Inhalation of high concentrations of vapor or mist may cause dizziness.
<b>Eye Contact</b>	May cause slight irritation.
<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	>90mL (Rat)	-	-

### **Information on toxicological effects**

Sensitization	No Information Available
Germ cell mutagenicity	No Information Available
Carcinogenicity	Not listed as a carcinogen: 1310-73-2
Reproductive toxicity	No Information Available
STOT single exposure	No Information Available
STOT repeated exposure	No Information Available

## **12. Ecological Data**

### **Ecotoxicity**

**Toxicity:** Based on available data, the classification criteria are not met.

### **Persistence and Degradability**

No information available.

### **Bioaccumulation**

Not Bioaccumulative.

### **Other adverse effects**

No information 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**

UN/ID/NA number: UN 1824  
Proper shipping name: SODIUM HYDROXIDE SOLUTION  
  
Class: 8 Corrosive Substances  
Packing group: II

## **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**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).  
None of the ingredients is listed

### **SARA 311/312 Hazard Categories**

None of the ingredients is listed.

### **CERCLA**

1310-73-2 Sodium Hydroxide 1000lbs.

## US State Regulations

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazard</b> 3	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> -0
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<b>HMIS</b>	<b>Health Hazard</b> 3	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal Protection</b> -X
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**Prepared By** Technical Department

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### **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**