

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
Toll Free: 888-225-3267

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

Chemical Name	CAS No.	Weight %	Trade Secret
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**

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 15-20 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 soap and water. Seek immediate medical attention.
Inhalation	Move to fresh air. Seek immediate medical attention if discomfort or irritation persists. Provide oxygen if breathing is difficult.
Ingestion	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.

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

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 ³	2mg/m ³	-

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

Physical State	Liquid	Odor	Odorless
Appearance	Aqueous solution	Odor Threshold	No information available
Color	clear		

Property	Values	Remarks/ Method
pH	Alkaline	None known

Melting/freezing point	Approximately 0°C	None known
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Boiling point / boiling range	Approximately 100°C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	14mm Hg @ 20C	None known
Vapor density	>1	None known
Specific Gravity	1.32	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient:	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	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

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

NFPA	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -0
HMIS	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection -X

Prepared By Technical Department

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Version 4

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