

Section 1 - Chemical Product and Company Identification

MSDS Name: 20 mM Sodium Hydroxide Solution

Catalog Numbers: TNO

Synonyms: None Known

Company Identification:

BioSpectra

Rockdale Lane

Stroudsburg, Pa 18360

For information, call: 570-476-2710

Emergency Number US & Canada: 1-800-424-9300

Emergency Number Outside the US & Canada: +1 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EC No.
7732-18-5	Water	>99%	231-791-2
1310-73-2	Sodium Hydroxide	<1%	215-185-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Note: Liquid or spray mist may cause tissue damage particularly to the mucous membranes of the eyes, mouth and respiratory tract.

Target Organs: Lungs.

Potential Health Effects

Eye: Inflammation of the eyes is characterized by redness, watering, and itching.

Skin: Skin contact may cause burns. Corrosive liquid.

Ingestion: Harmful if swallowed.

Inhalation: May produce irritation of the respiratory tract, characterized by coughing, choking, or shortness of breath.

Chronic: Long term exposure may affect the lungs.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with water for 15 minutes. Get medical attention.

Skin: Immediately flush eyes with water for 15 minutes. Remove any contaminated clothing or shoes. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Get medical attention immediately, do not induce vomiting. If not breathing, give artificial respirations. DO NOT GIVE MOUTH TO MOUTH.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration. Remove to fresh air. Acetonitrile can cause fatal cyanide poisoning.

Notes to Physician: None available.

Section 5 - Firefighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: In case of fire, use dry chemical, chemical foam, or carbon dioxide for extinguishing fire. Use water as fog in flooding quantities.

Autoignition Temperature: Not applicable.

Flash Point: not applicable

NFPA Rating: Health-3, Flammability-0, Reactivity-1.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: None available.

Section 12 - Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13 - Disposal Considerations

Product: Dispose of in a manner consistent with federal, state, and local regulations.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

DOT (US)

UN-Number: 1824 **Class:** 8 **Packing group:** II

Proper shipping name: Sodium Hydroxide Solution

Marine pollutant: Not applicable.

Poison Inhalation Hazard: Not applicable.

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

IATA: Not dangerous goods

IMDG: Not dangerous goods

Section 15 - Regulatory Information

Federal and State Regulations: Illinois toxic substances disclosure to employee act; Sodium hydroxide Illinois chemical safety act; sodium hydroxide new york release reporting list; sodium hydroxide Rhode island RTK hazardous substances; sodium hydroxide Pennsylvania RTK; sodium hydroxide Minnesota; sodium hydroxide Massachusetts RTK; sodium hydroxide new jersey; sodium hydroxide Louisiana spill reporting; sodium hydroxide TSCA 8(b) inventory; sodium hydroxide; water CEWRCLA; hazardous substances; sodium hydroxide 1000 lbs.

OSHA Hazards: These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

DSL Status: All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Not available.

California Prop. 65 Components: None reported.

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Class D-2A: Material causing other toxic effects. Class E: Corrosive Liquid.

DSCL (EFC): Not available.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 1

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 1

Specific hazard: None

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.