

SAFETY DATA SHEET

Sodium Hydroxide, 0.1N

Section 1 - Chemical Product and Company Identification

SDS Name: Sodium Hydroxide, 0.1N

Catalog Numbers: L-779-2

Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923

For information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

H290-Corrosive to metals: 1

H302-Acute toxicity, oral: 4

H315-Skin corrosion/irritation: 2

H319-Serious eye damage/eye irritation: 2A

Pictograms or Hazard symbols and Hazard statement(s):



Signal Word: Warning

Hazard Statements:

H290-May be corrosive to metals

H302-Harmful if swallowed

H315-Causes skin irritation

H319-Causes serious eye irritation

Precautionary Statements:

P264-Wash thoroughly after handling.

P234-Keep only in original container.P270-Do not eat, drink or smoke when using this product.
P280-Wear protective gloves/eye protection/face protection.
P301+P312-If swallowed: Call a Poison Center or doctor/physician if you feel unwell.
P302+P352-If on skin: Wash with plenty of soap and water.
P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330-Rinse mouth.
P332+P313-If skin irritation occurs: Get medical advice/attention.
P337+P313-If eye irritation persists: Get medical advice/attention.
P362-Take off contaminated clothing and wash before reuse.
P390-Absorb spillage to prevent material damage.
P406-Store in corrosive resistant container with a resistant inner liner.
P501-Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
1310-73-2	Sodium Hydroxide	0.4 w/v
7732-18-5	Water	Balance

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Special Remarks on Fire Hazards: When heated to decomposition it may emit irritating gases and vapors.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Odor: Odorless

Vapor Pressure: No information available

Odor threshold: No information available

Vapor Density: No information available

pH: approx. 12.94

Relative density: No information available

Melting point/freezing point: No information available

Solubility: soluble in water

Boiling Point: No information available

Flash point: No information available

Evaporation Rate: No information available

Flammability (solid, gas): No information available

Partition coefficient: n-octanol/water: No information available

Auto-ignition temperature: No information available

Decomposition temperature: No information available

Viscosity: No information available

Section 10 - Stability and Reactivity

Chemical Stability: The product is stable under normal conditions.

Conditions to Avoid: Heat, incompatible materials.

Incompatibilities with Other Materials: Acids, Metals, Oxidizing Agents, Reducing Agents, Bases, Aldehydes.

Hazardous Decomposition Products: Sodium oxides.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: Sodium Hydroxide CAS#1310-73-2: WB4900000

LD50/LC50: Sodium Hydroxide CAS#1310-73-2:

Skin, rabbit: 500 mg/24 hr severe

Eye, rabbit: 50 ug/24 hr, investigated as a mutagen

Carcinogenicity:

Sodium Hydroxide CAS#1310-73-2:

Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Sodium Hydroxide CAS#1310-73-2:

Ecotoxicity: LC50 45.4 mg/L, 96 hr static freshwater fish (*Oncorhynchus mykiss*)

EC50 40.4 mg/L, 48 hr water flea (*Ceriodaphnia*)

Environmental: No information available.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

DISPOSAL: Dispose of in accordance with all federal, state, and local regulations.

Section 14 - Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

Section 16 - Additional Information

SDS Creation Date: 2-25-19

Revision 1: 10-7-21

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