

## Sodium Hydroxide Solution 0.3 M - 6.0 M Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Hydroxide Solution 0.3 M - 6.0 M

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10327

**Signal Word**  
**DANGER**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium hydroxide (/link/5014248bf8724e3abcfe7daa0089073d.aspx)	1310-73-2	NaOH	39.997	1.2-24%
Water	7732-18-5	H <sub>2</sub> O	18.00	76-98%

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

In case of fire: Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. Absorb spills to prevent material damage (P390). See Sections 8 and 13 for further information.

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates.

Keep container tightly closed. Keep only in original container (P234).

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

Exposure guidelines: (as sodium hydroxide) PEL 2 mg/m<sup>3</sup> (OSHA); Ceiling 2 mg/m<sup>3</sup> (ACGIH); IDLH 10 mg/m<sup>3</sup>

### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless liquid. Odorless.

pH: basic

### SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Good, if kept tightly closed.

### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Eye and skin burns. Mucous membrane irritant, pneumonitis.

Chronic effects: N.A.

Target organs: Eyes, skin, respiratory system.

ORL-RBT LD<sub>0</sub>: 500 mg/kg (as sodium hydroxide)

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: 50 mg/24H (as sodium hydroxide)

### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #10 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Sodium hydroxide solution. Hazard class: B, Corrosive. UN number: UN1824.

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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