

Safety Data Sheet (SDS) **6-27-2022: File reviewed, more current MSDS/SDS not available. JMC**

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Hexamethylenediamine Sodium Hydroxide Solution

**Signal Word**  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-9842

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 |
|----------------------|------------|---|----------------|---------------|
| Hexamethylenediamine | 124-09-4   | H <sub>2</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub> | 116.2          | 6%            |
| Sodium hydroxide     | 1310-73-2  | NaOH  | 39.997         | 2%            |
| Water                | 7732-18-5  | H <sub>2</sub> O  | 18.00          | 92%           |

**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:** 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.

**NFPA Code**

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

None established

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.  
Do not breathe dust or fumes (P260).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use ventilation to keep airborne concentrations below exposure limits.  
Exposure guidelines: (as hexamethylenediamine) TLV 0.5 ppm (ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear pale pink or colorless liquid. Odorless. pH: basic

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with acids.  
Shelf life: Good, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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|---------------------------|--|
| Acute effects: Corrosive. | ORL-RAT LD <sub>50</sub> : 750 mg/kg as hexamethylenediamine |
| Chronic effects: N.A.     | IHL-RAT LC <sub>50</sub> : N.A.                              |
| Target organs: N.A.       | SKN-RBT LD <sub>50</sub> : N.A.                              |

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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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: Not regulated. Hazard class: N/A. UN number: N/A.

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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.**

**Revision Date:** March 25, 2014

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