SDS #: 810.20 **Revision Date:** March 21, 2014

DANGER

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tetramethylammonium Hydroxide Solution

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

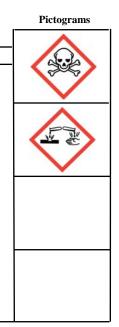
CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral and dermal (Category 2). Fatal if swallowed or in contact with skin (H300 +310). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin and eye damage, corrosion or irritation (Category 1, 1B). Causes severe skin burns and eye damage (H314+H318).



SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Tetramethylammonium hydroxide Water	75-59-2 7732-18-5	C ₄ H ₁₃ NO H ₂ O	91.15 18.00	25% 75%
		2		

SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310). **If inhaled:** Remove victim to fresh air and keep at rest 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 skin irritation or rash occurs:** Get medical advice or attention (P333+P313). **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.	H-3			
	F-0			
	R-1			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

SECTION 7 — HANDLING AND STORAGE

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

Keep container tightly closed. Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective nitrile, neoprene, or butyl rubber gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Contaminated work clothing should not be allowed out of the workplace (P272). Use only in a hood or well-ventilated area (P271).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless or pale yellow liquid. Fishy odor. Soluble: Water May have suspended solid (saturated solution). Specific gravity: 1.016

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Good, if kept tightly closed. Absorbs carbon dioxide from the air. Incompatible with strong acids, reactive metals, and strong oxidizing agents. Avoid temperatures above 75° C.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, corrosive Chronic effects: N.A. Target organs: N.A. DML-RAT LD_{50} : 112-439 mg/kg IHL-RAT LC_{50} : N.A. SKN-RBT LD_{50} : N.A.

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

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.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Tetramethylammonium hydroxide solution; Hazard class: 8, Corrosive; UN number: UN1835

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

CAS # 75-59-2 is listed on the TSCA inventory.

SECTION 16 — OTHER INFORMATION

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals. **Revision Date:** March 21, 2014

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