

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 810.20

Revision Date: December 18, 2013

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 **DANGER**

Pictograms



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	75-59-2	C ₄ H ₁₃ NO	91.15	25%
Water	7732-18-5	H ₂ O	18.00	75%

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. 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.

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

NFPA CODE

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.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless or pale yellow liquid. Fishy odor.

Specific gravity: 1.016

Soluble: Water

May have suspended solid (saturated solution).

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

DML-RAT LD₅₀: 112-439 mg/kg

Chronic effects: N.A.

IHL-RAT LC₅₀: N.A.

Target organs: N.A.

SKN-RBT LD₅₀: 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

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