

# 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 <sub>4</sub> H <sub>13</sub> NO	91.15	25%
Water	7732-18-5	H <sub>2</sub> 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.

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**SECTION 7 — HANDLING AND STORAGE**

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

Keep container tightly closed.

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

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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.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Colorless or pale yellow liquid. Fishy odor.

Specific gravity: 1.016

Soluble: Water

May have suspended solid (saturated solution).

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**SECTION 10 — STABILITY AND REACTIVITY**

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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.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Toxic, corrosive

DML-RAT LD<sub>50</sub>: 112-439 mg/kg

Chronic effects: N.A.

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

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

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

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

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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

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**SECTION 16 — OTHER INFORMATION**

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