



SDS #: 425

Revision Date: March 21, 2014

## Kerosene Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Kerosene

Signal Word  
**DANGER**

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

Chemtrec Emergency Phone Number: (800) 424-9893

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 4). Combustible liquid (H227). Keep away from heat, sparks, flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Aspiration hazard (Category 1). May be fatal if swallowed or enters airways (H304).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Kerosene	8008-20-6	Mixture	Mixture	
Synonyms: Fuel oil #1				

### SECTION 4 — FIRST AID MEASURES

Immediately call POISON CENTER or physician.

**If inhaled:** Immediately call POISON CENTER or physician. Remove victim to fresh air. **If aspirated into lungs:**

Immediately call a POISON CENTER or physician.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Immediately call POISON CENTER or physician. Do NOT induce vomiting (P301+P310+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIA combustible liquid.

Flash point: 38-75 °C Flammable limits: Lower: 0.7% Upper: 5% Autoignition Temperature: 210 °C

NFPA Code

H-2

F-2

R-0

When heated to decomposition, may emit toxic fumes.

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

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Remove all ignition sources and ventilate area. Contain the spill with sand or other inert 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 #3. Store with hydrocarbons, oils, esters and aldehydes.

Keep cool (P235).

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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.

Exposure guidelines: TLV 200 mg/m<sup>3</sup> (ACGIH) Readily absorbed through the skin.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, colorless oily liquid. Strong characteristic odor. Boiling point: 175-325 °C

Soluble: Many organic solvents. Insoluble in water. Specific gravity: 0.81

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, strong bases, strong acids, amines, heat, sparks, and open flame.

Shelf life: Excellent, if stored safely.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Harmful vapor, irritant.

ORL-RABBIT LD<sub>50</sub>: 2835 g/kg

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: greater than 5 g/m<sup>3</sup>/4H

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 #18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Kerosene. Hazard class: 3, Flammable liquid. UN number: UN1223.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (232-366-4).

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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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