

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.

NFPA Code

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

H-2

F-2

When heated to decomposition, may emit toxic fumes.

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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes.

Keep cool (P235).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling.

Exposure guidelines: TLV 200 mg/m³ (ACGIH) Readily absorbed through the skin.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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

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

SECTION 10 — STABILITY AND REACTIVITY

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

Shelf life: Excellent, if stored safely.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Harmful vapor, irritant.

ORL-RABBIT LD₅₀: 2835 g/kg

Chronic effects: N.A.

IHL-RAT LC₅₀: greater than 5 g/m³/4H

Target organs: N.A.

SKN-RBT LD₅₀: N.A.

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 #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

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

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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