

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 213.00

Revision Date: March 15, 2001

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### Section 1 — Chemical Product and Company Identification

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#### Carbon Disulfide

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

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Carbon Disulfide

Synonym: carbon bisulfide

CAS#: 75-15-0

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### Section 3 — Hazards Identification

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Clear colorless liquid; nearly odorless when pure.

Moderately toxic by ingestion, inhalation and skin absorption. Avoid all body tissue contact.

Class 1B flammable liquid. Avoid any source of ignition.

Dangerous fire and explosion risk.

#### FLINN AT-A-GLANCE

Health-2

Flammability-3

Reactivity-2

Exposure-2

Storage-3

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. After vomiting, give mixture of 2 Tbs. of activated charcoal mixed with one cup of water. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Class 1B flammable liquid.

Highly flammable liquid. Avoid all sources of ignition. A light bulb can ignite the vapor. A severe fire hazard. Flash Point: -22 F Upper: 50% Lower: 1.3% Autoignition Temperature: 275 F

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

H-3

F-4

R-0

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand and 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 #5. Store with sulfides, phosphides, carbides and nitrides.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor can.

Use and dispense in a hood.

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### Section 8 — Exposure Controls, Personal Protection

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Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire). Exposure guidelines: TWA 20 ppm (OSHA).

### Section 9 — Physical and Chemical Properties

Clear colorless liquid; nearly odorless when pure.  
Solubility: Soluble in alcohol, benzene and ether;  
slightly in alcohol. Insoluble in water.

Formula: CS<sub>2</sub>

Formula Weight: 76.13

Specific Gravity: 1.26

Boiling Point: 46.3 C

### Section 10 — Stability and Reactivity

Avoid contact with oxidizers, azides and amines. Avoid spark, flame or any source of ignition.

Shelf life: Good, if stored properly.

### Section 11 — Toxicological Information

Acute effects: Toxic, irritant

Chronic effects: Possible mutagen/teratogen, reproductive hazard,  
neurological hazard.

Target organs: Eyes, female and male reproductive system.

ORL-RAT LD50: 3188 mg/kg

IHL-RAT LC50: 25 gm/m<sup>3</sup>/2H

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 consult with state and local regulations.

Flinn Suggested Disposal Method #9 is one option.

### Section 14 — Transport Information

Shipping Name: Carbon disulfide

Hazard Class: 3, Flammable liquid, poison

UN Number: UN1131

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (200-843-6), RCRA code P022.

### Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) 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. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

"Your Safer Source for Science Supplies"

*Flinn Chemical Packaging Prevents Accidents*

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