

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

MSDS #: 302.00

Revision Date: March 14, 2001

Section 1 — Chemical Product and Company Identification

p-Dichlorobenzene

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2 — Composition, Information on Ingredients

p-Dichlorobenzene

Synonym: 1,4-dichlorobenzene

CAS#: 106-46-7

Section 3 — Hazards Identification

Colorless crystals, penetrating odor.

Moderately toxic by ingestion, inhalation or skin absorption. Severe irritant to eyes, skin and respiratory tract. Avoid all body contact. Possible carcinogen.

Combustible solid.

FLINN AT-A-GLANCE

Health-2

Flammability-1

Reactivity-0

Exposure-2

Storage-1

0 is low hazard, 3 is high hazard

Section 4 — First Aid Measures

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: 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.

Section 5 — Fire Fighting Measures

Combustible solid.

When heated to decomposition, emits toxic fumes of Cl. Flash Point: 150 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-2

F-2

R-0

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Remove all ignition sources and water. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, halogenated hydrocarbons and ethylene oxide.

Store in a cool dry place. Use and dispense in a hood.

Store in a Flinn Chem-Saf Bag.

Section 8 — Exposure Controls, Personal Protection

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 75 ppm, (OSHA, OSHA)

Section 9 — Physical and Chemical Properties

Colorless crystals, penetrating odor.
Solubility: Soluble in alcohol, benzene, and ether; not water.
Formula: C₆H₄Cl₂
Formula Weight: 147.00

Specific Gravity: 1.46
Melting Point: 54 C
Boiling Point: 173 C
Vapor Pressure: 1.03 mm (25 C)

Section 10 — Stability and Reactivity

Avoid contact with oxidizers, aluminum and its alloys.
Shelf life: Fair to poor; substance volatile.

Section 11 — Toxicological Information

Acute effects: Toxic, irritant
Chronic effects: Possible carcinogen
Target organs: Liver, kidneys, lungs

ORL-RAT LD50: 500 mg/kg
IHL-RAT LC50: N.A.
SKN-RBT LD50: 2 gm/kg

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 #4b is one option.

Section 14 — Transport Information

Shipping Name: Not regulated
Hazard Class: N/A
UN Number: N/A

N/A = Not applicable

Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (203-400-5), RCRA code U072.

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.

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*Questions on Chemical Disposal
or Storage?--Call Flinn*

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