

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 302.00

Revision Date: December 7, 2011

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 moth ball odor.

Possible human carcinogen (IARC-2B).

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

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 and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

Flash point: 66 °C

When heated to decomposition, emits toxic fumes of Cl.

Fire Fighting Instructions: Use a 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 the area. Remove all ignition sources and water. Sweep up the spill, place in a 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 a 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: PEL 75 ppm (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless crystals with a penetrating odor.
Solubility: Soluble in alcohol and ether; insoluble in water.
Formula: C₆H₄Cl₂
Formula weight: 147.00

Boiling point: 174 °C
Melting point: 53.1 °C
Refractive index: 1.5285
Specific gravity: 1.2475
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 and irritant.
Chronic effects: Possible carcinogen.
Target organs: Liver, kidneys, and lungs.

ORL-RAT LD₅₀: 500 mg/kg
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: 2 g/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 review all federal, state and local regulations that may apply, before proceeding.
Flinn Suggested Disposal Method #4b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Environmentally hazardous substance, Solid, N.O.S. (para-dichlorobenzene)
Hazard class: 9, Miscellaneous hazardous material
UN number: UN3077
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

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

SECTION 16 — OTHER INFORMATION

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