



Specialized in chemicals

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Material Safety Data Sheet

paradichlorobenzene

Section 1: Chemical Product and Company Identification

Molecular formula: C₆H₄Cl₂

CAS Nr: 106-46-7

Molecular weight: 147.00

Synonyms: PDCB,P-dichlorobenzene

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
Paradichlorobenzene	106-46-7	99.8

Section 3: Hazards Identification

Symbols: Xi - Irritant

Xn - Harmful

N - Dangerous for the environment

Risk Phrases: R36 - Irritating to eyes

R40 - Limited evidence of carcinogenic effect

R50 - Very toxic to aquatic organisms

R53 - May cause long-term adverse effects in the aquatic environment

Safety Phrases: S2 - Keep out of the reach of children

S36/37 - Wear suitable protective clothing and gloves

S46 - If swallowed, contact a doctor or Poisons Information Centre immediately and show container or label

S60 - This material and its container must be disposed of as hazardous waste

S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets

Section 4: First Aid Measures

Swallowed: If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical attention

Skin: If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

Product: FRESHA TOILET BLOCKS (Para-DICHLOROBENZENE)

Section 5: Fire and Explosion Data

Suitable Extinguishing Media: For a small fire use dry chemicals, carbon dioxide, water spray or foam. For large fires use water spray, fog or foam. Do not use water in a jet.

Hazards from combustion products: When heated to decomposition, emits acrid smoke and irritating fumes.

Precautions for Fire Fighters and Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Additional Information: No additional remark.

Section 6: Accidental Release Measures

Observe all local and national regulations.

Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures: For small spills, use appropriate tools to put spilled solid in a convenient waste disposal container. For large spills, use appropriate instruments to put the spilled material in a waste disposal container. Dispose of in accordance with regional regulations.

Section 7: Handling and Storage

Precautions for Safe Handling and Storage: Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing dust, keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.

Section 8: Exposure Controls/Personal Protection

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

Respiratory Protection: Wear appropriate respirator when ventilation is inadequate.

Hand Protection: Use solvent resistant gloves (nitrile, PVC or neoprene).

Eye Protection: Wear safety goggles.

Protective Clothing: No special protection is ordinarily required beyond standard issue work clothes.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

Section 9: Physical and Chemical Properties

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance: Crystalline Solid

Odour: Characteristic

pH: N/A

Vapour Pressure (mmHg @ 20 °C): N/A

Vapour Density (air = 1): 5.08 @ 15 Deg C

Boiling Point (°C): 173

Freezing/Melting Point (°C): 53

Solubility in Water: Insoluble

Specific Gravity (g/ml @ 15 °C): 1.46

Flashpoint (°C): 65 (Closed Cup)

Flammability Limits (%): 2.5 – 16.0

Auto Ignition Temperature (°C): 413

Percent Volatiles: 100

Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidising agents, alkalis.

Product: FRESHA TOILET BLOCKS (Para-DICHLOROBENZENE)

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Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide, hydrogen chloride and phosphene.

Section 11: Toxicological Information

Swallowed: Accidental swallowing is unlikely in the workplace setting. Low acute oral toxicity. Symptoms may include, headache, nausea, vomiting and anaemia.

Eye: Vapour irritating to the eyes at 50ppm or greater.

Skin: Low acute dermal toxicity in animal studies. May cause burning sensation on prolonged contact with solid.

Inhaled: Low acute inhalation toxicity. Vapour may be irritating to the nose at 50ppm or greater. May cause headache, dizziness, nausea, vomiting and breathing difficulties. High doses may cause depression of the nervous system.

Chronic: Skin – No evidence of sensitisation. Ingestion – over a long period may cause reversible neurological symptoms including unsteady gait, incoordination and tingling of the limbs. Limited evidence of carcinogenicity in animal studies. Classified by the International Agency for Research on Cancer (IARC) as a Group 2B. Group 2B – The agent is probably carcinogenic to humans.

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life.

Mobility: Immiscible with water.

Persistence/degradability: Biodegradable

Section 13: Disposal Considerations

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

Section 14: Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(PARA-DICHLOROBENZENE), MARINE POLLUTANT, EMS: F-A, S-F

Hazard Class: 9

UN/NA: UN3077(crystals)/UN3082(liquid)

Packing Group: III

International (Water, I.M.O.)

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(PARA-DICHLOROBENZENE), MARINE POLLUTANT, EMS: F-A, S-F

Hazard Class: 9

UN/NA: UN3077(crystals)/UN3082(liquid)
Packing Group: III
International (Air, I.C.A.O.)
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(PARA-DICHLOROBENZENE), MARINE POLLUTANT, EMS: F-A, S-F
Hazard Class: 9
UN/NA: UN3077(crystals)/UN3082(liquid)

Section 15: Other Regulatory Information

Poisons Schedule : 5
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010): 47

Section 16: Other Information

References: Not available.
Other Special Considerations: Not available.
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