Material Safety Data Sheet

**paradichlorobenzene**

### Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular formula:</td>
<td>C6H4Cl2</td>
</tr>
<tr>
<td>CAS Nr:</td>
<td>106-46-7</td>
</tr>
<tr>
<td>Molecular weight:</td>
<td>147.00</td>
</tr>
<tr>
<td>Synonyms:</td>
<td>PDCB, P-dichlorobenzene</td>
</tr>
<tr>
<td>Contact Information for Emergency:</td>
<td>(0086) 551 65418678</td>
</tr>
</tbody>
</table>

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### Section 2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Composition</th>
<th>CAS #</th>
<th>%By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paradichlorobenzene</td>
<td>106-46-7</td>
<td>99.8</td>
</tr>
</tbody>
</table>
Section 3: Hazards Identification

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xi - Irritant</td>
<td>R36 - Irritating to eyes</td>
</tr>
<tr>
<td>Xn - Harmful</td>
<td>R40 - Limited evidence of carcinogenic effect</td>
</tr>
<tr>
<td>N - Dangerous for the environment</td>
<td>R50 - Very toxic to aquatic organisms</td>
</tr>
<tr>
<td></td>
<td>R53 - May cause long-term adverse effects in the aquatic environment</td>
</tr>
</tbody>
</table>

**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)

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

**Section 16: Other Information**

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