



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Para-DICHLOROBENZENE

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: 1,4-Dichlorobenzene, para, p-DCB
Manufacturer's Product Code: 11000
Recommended Use: Air Freshener, toilet freshener, de-odourant block

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE (refer to SECTION 14)**

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 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
1,4-Dichlorobenzene	106-46-7	> 99

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

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.

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SECTION 5 FIRE FIGHTING MEASURES

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

Exposure Standards: National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 150mg/m³ (25ppm) TWA (8hr), 300mg/m³ (50ppm) STEL. Carcinogen Category 3.

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 IDENTIFICATION

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

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.

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

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

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: Moderately 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

Australian Special Provision AU01 to the Australian Dangerous Goods Code 7th Edition (incorporating Corrigendum 1) 2011:

Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 are not subject to this Code when transported by road or rail in;

(a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or

(b) IBCs.

Where AU01 applies:

UN Number:	N/A	Proper Shipping Name:	N/A
Class:	N/A	Subsidiary Risk:	N/A
Packing Group:	N/A	Hazchem Code:	N/A
Special Precautions for User:	None		

Where AU01 does not apply:

UN Number:	UN3077	Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (p- Dichlorobenzene)
Class:	9	Subsidiary Risk:	N/A
Packing Group:	III	Hazchem Code:	●3Z
Special Precautions for User:	None		

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : 5

AICS : Listed

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

Product: Para-DICHLOROBENZENE

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Rechem on (07) 3308 5200

National Industrial Chemicals Notification and Assessment Scheme, para-Dichlorobenzene – Priority Existing Chemical Assessment Report No. 13, NICNAS, Sydney, 2000.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
