# MATERIAL SAFETY DATA SHEET

**OSHA - Meets 29 CFR 1910.1200 Standards**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>HMIS HAZARD RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0 = INSIGNIFICANT</td>
</tr>
<tr>
<td>2</td>
<td>1 = SLIGHT</td>
</tr>
<tr>
<td>0</td>
<td>2 = MODERATE</td>
</tr>
<tr>
<td>3</td>
<td>HIGH</td>
</tr>
<tr>
<td>4</td>
<td>EXTREME</td>
</tr>
</tbody>
</table>

**TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Environmentally hazardous substance, solid, n.o.s. (p-dichlorobenzene)

**HAZARD CLASS / PKG GRP:** 9 / III  
**REF:** 40 CFR 173.155, 213, 240

**IDENTIFICATION NUMBER:** UN 3077  
**LABEL:** Miscellaneous

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

**IDENTITY (AS USED ON LABEL AND LIST):** PARADICHLOROBENZENE BLOCKS

<table>
<thead>
<tr>
<th>MANUFACTURER'S NAME</th>
<th>EMERGENCY TELEPHONE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital Specialty Company</td>
<td>CHEM • TEL (800) 255-3624 Outside USA (813) 248-0585</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDRESS (NUMBER, STREET, P.O. BOX)</th>
<th>TELEPHONE NUMBER FOR INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>670 Alpha Drive</td>
<td>(440) 720-1600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DATE PREPARED</th>
<th>SUPERSEDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 21, 2005</td>
<td>December 15, 2001; March 18, 2002</td>
</tr>
</tbody>
</table>

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

**HAZARDOUS COMPONENTS**  
(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(s))

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS #</th>
<th>% (OPTIONAL)</th>
<th>OSHA PEL</th>
<th>ACGIH TWA</th>
<th>SARA TITLE III</th>
<th>RQ LBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>p-Dichlorobenzene (a,b,c,d,e,f)</td>
<td>106-46-7</td>
<td>60 - 100</td>
<td>75</td>
<td>450</td>
<td>10</td>
<td>Yes</td>
</tr>
</tbody>
</table>

(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of SARA Title III of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

(c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ) for this mixture = 100 lbs or greater amounts, according to 40 CFR 302.

(d) Indicates substance appears on National Toxicology Program (NTP) list of carcinogens, International Agency for Research on Cancer (IARC) list of carcinogens or is regulated by the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

(e) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical.

(f) Product is listed or defined as a marine pollutant in IMDG Code or 49 CFR 172.101 Appendix B, List of Marine Pollutants and must be classified as an Environmentally Hazardous Substance, Class 9, in addition to any other defined hazards for this product.

## SECTION 3 - HEALTH HAZARD DATA

**INHALATION:** Inhalation of dust or vapors may irritate the respiratory tract, may cause headache, dizziness, nausea, vomiting, weight loss and liver and kidney damage. May also cause swelling around the eyes and runny nose.

**SKIN:** Causes skin irritation, with a slight burning sensation. Red blotching of the skin due to allergic reactions may occur. May be absorbed through the skin; symptoms may parallel inhalation.

**EYES:** Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

**INGESTION:** Material is toxic; may cause headache, dizziness, may cause headache, dizziness, diarrhea and general weakness, swallowing can produce adverse health effects parallel to inhalation.

**CARCINOGENICITY**  
NTP? Yes  
IARC MONOGRAPHS? Yes  
OSHA REGULATED? No

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Preexisting skin, eye, or respiratory disorders may be aggravated through prolonged exposure.

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**EMERGENCY AND FIRST AID PROCEDURES**

- Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.
- Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.
- Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
- Give two glasses of water for dilution; induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.

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**Form revised 09 / 01**
MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)
PARADICHLOROBENZENE BLOCKS
(08161, 08241, 08411, 06301, 06311, 06931, 06401, 06411, 06901, 01931, 01991)

SECTION 4 - FIRE FIGHTING MEASURES
FLASH POINT (METHOD USED)
151°F (65°C) CC
NFPA RATING
IIIA
FLAMMABLE LIMITS
LEL: 2.5% UEL: 16.0%
EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam
SPECIAL FIRE FIGHTING PROCEDURES
Airborne dusts may form explosive mixtures if allowed to concentrate in confined areas. Contact with strong oxidizers may cause fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 5 - ACCIDENTAL RELEASE MEASURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COMBUSTIBLE
Evacuate and ventilate area; avoid breathing dust. Recover and segregate product for reuse, shovel product into approved container for disposal; for spills on excess of allowable limits (RE) notify the National Response Center (800) 424-8802; refer to CERCLA 40 CFR 302 and SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters. P-Dichlorobenzene is listed as a Marine Pollutant.

SECTION 6 - HANDLING AND STORAGE
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: This material is combustible. It should be stored in tightly closed containers in a cool, dry, well-ventilated area. Vapor may form explosive mixtures in air. All sources of ignition should be controlled. Keep this and other chemicals out of reach of children. Avoid inhaling concentrated fumes or vapors.

SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION
RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

VENTILATION:
LOCAL EXHAUST: Required
MECHANICAL (GENERAL): Yes
SPECIAL: To maintain minimum TWA and STEL levels.
OTHER: Engineering and work controls as required.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.
EYE PROTECTION: Protective eyeglasses or chemical safety goggles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES
BOILING POINT
345°F (174°C)
VAPOR PRESSURE (MM Hg)
0.6 mm Hg @ 20°C
VAPOR DENSITY (AIR = 1)
5.08
SOLUBILITY IN WATER
Practically insoluble in water.
APPEARANCE AND ODOR
White / pink solid blocks, penetrating mothball odor

SECTION 9 - STABILITY AND REACTIVITY
STABILITY UNSTABLE:
STABLE: XXX
CONDITIONS TO AVOID: Extreme temperatures, open flames, avoid generating airborne dust

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents, aluminum and its alloys
Hazardous Decomposition or Byproducts: May produce carbon monoxide, carbon dioxide, hydrogen chloride and phosgene when heated to decomposition.

Hazardous Polymerization: MAY OCCUR:
WILL NOT OCCUR: XXX
CONDITIONS TO AVOID: None

SECTION 10 - DISPOSAL CONSIDERATIONS
WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce concentrated hazardous vapors or fumes in a disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for ignitable materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vender or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

MSDS PREPARED BY: CDB, Inc., P.O. Box 5604, Lakeland, FL 33807 (863) 644 - 3298 www.compdatabase.com