

Hospital Specialty Company**HMIS**

Paradichlorobenzene Blocks

HEALTH	2
FIRE	2
REACTIVITY	0
PPE	

SECTION 1 : Chemical Product and Company Identification

MSDS Name: Paradichlorobenzene Blocks

Manufacturer Name: Hospital Specialty Company

Address:

670 Alpha Drive
Highland Heights, OH 44143

EMERGENCY TELEPHONE NUMBER:

CHEM • TEL (800) 255-3924

Outside USA: (813) 248-0585

Business Phone: (440) 720-1800

For information in North America, call: (440) 720-1800

Manufacturer MSDS Revision Date:

April 21, 2005

Supercedes: March 18, 2002

Supercedes: December 15, 2001

HMIS

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection:

NFPA RATING: IIA

HMIS HAZARD RATINGS:

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

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

HAZARD CLASS/PKG GRP: 9/III

IDENTIFICATION NUMBER: UN 3077

REF: 49 CFR 173.155, .213, .240

LABEL: Miscellaneous

OSHA - Meets 29 CFR 1910.1200 Standards

Product Codes:

08161, 08241, 08411, 06301, 06311, 06931, 06401, 06411, 01931, 01991



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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
p-Dichlorobenzene (a,b,c,d,e,f)	106-46-7	(OPTIONAL): 60 - 100	

OSHA PEL TWA: 75 PPM; 450 MG/M3

ACGIH TLV TWA: 10 PPM

Hazardous: Yes

SARA TITLE III: Yes

RQ: 100 LBS

Comments:

(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 doing 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.



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SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:

Solid blocks

Color:

White/pink

Odor:

Penetrating mothball odor

pH:

Not determined

Vapor Pressure:

(MM Hg): 0.6 mm Hg @ 20 deg C

Vapor Density:

(AIR = 1): 5.08

Boiling Point:

345 deg F (174 deg C)

Solubility:

IN WATER: Practically insoluble in water.

Specific Gravity:

(WATER = 1): 1.500

Evaporation Point:

(WATER = 1): Not applicable

Percent Volatile:

(BY WEIGHT): 100% @ 70 deg F

FlashPoint:

151 deg F (66 deg C)

Upper Flammable Explosive Limit:

16.0%

Lower Flammable Explosive Limit:

2.5%



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SECTION 4 : Fire And Explosion Hazards

Flash Point:

151 deg F (66 deg C)

Flash Point Method:

CC

Upper Flammable or Explosive Limit: 16.0%

Lower Flammable or Explosive Limit: 2.5%

Extinguishing Media:

Carbon dioxide, water, water fog, dry chemical, chemical foam

Fire Fighting Instructions:

Airborne dusts may form explosive mixtures if allowed to concentrate in confined area. Contact with strong oxidizers may cause fire.

Unusual Fire 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.

NFPA RATING: IIA



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SECTION 5 : Health Hazards

p-Dichlorobenzene (a,b,c,d,e,f):

Route of Exposure:

INGESTION, SKIN, EYES, INHALATION

Potential Health Effects:**Eye Contact:**

SIGNS AND SYMPTOMS OF EXPOSURE: Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

Skin Contact:

SIGNS AND SYMPTOMS OF EXPOSURE: 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.

Inhalation:

SIGNS AND SYMPTOMS OF EXPOSURE: 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.

Ingestion:

SIGNS AND SYMPTOMS OF EXPOSURE: Material is toxic; may cause headache, dizziness; may cause headache, dizziness, diarrhea and general weakness; swallowing can produce adverse health effects paralleling inhalation.

Carcinogenicity:

p-Dichlorobenzene is listed as an anticipated carcinogen by NTP and 2B possibly carcinogenic to humans by IARC.

OSHA Designation: REGULATED: No

IARC Designation: MONOGRAPHS: Yes

Aggravation of Pre-Existing Conditions:

Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.



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SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

Skin Contact:

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

Inhalation:

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.

Ingestion:

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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SECTION 7 : Reactivity Data

Chemical Stability:

STABLE

Conditions to Avoid:

Extreme temperatures, open flames, avoid generating airborne dust.

Incompatibilities with Other Materials:

Oxidizing agents, aluminum and its alloys.

Hazardous Polymerization:

WILL NOT OCCUR

CONDITIONS TO AVOID: None

Hazardous Decomposition Products:

May produce carbon monoxide, carbon dioxide, hydrogen chloride and phosgene when heated to decomposition.



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SECTION 8 : Precautions For Safe Handling**Spill Cleanup Measures:**

COMBUSTIBLE. Evacuate and ventilate area; avoid breathing dust. Recover and segregate product for reuse; shovel product into approved container for disposal.; for spills in excess of allowable limits (RQ) 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.

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.

Work Practices:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

Hygiene Practices:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

Waste Disposal:

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.

DOT Shipping Name:

Environmentally hazardous substance, solid, n.o.s. (p-dichlorobenzene)

REF: 49 CFR 173.155, .213, .240

DOT UN Number:

UN 3077

DOT Hazard Class: 9**DOT Packing Group: III****DOT Subpart E Labeling Requirement: Miscellaneous**

(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.



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SECTION 9 : Control Measures

Ventilation System:

MECHANICAL (GENERAL): Yes

SPECIAL: To maintain minimum TWA and STEL levels.

Local Exhaust:

Required

Other Exhaust Information:

Engineering and work controls as required.

Hand Protection Description:

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

Eye/Face Protection:

Protective eyeglasses or chemical safety goggles.

Protective Clothing/Body Protection:

Coveralls, apron, or other equipment should be worn to minimize skin contact.

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.



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SECTION 10 : Other Information

p-Dichlorobenzene (a,b,c,d,e,f):

Section 304:

(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.

Section 313 Toxic Release Form:

(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.

OSHA 29 CFR 1200:

OSHA - Meets 29 CFR 1910.1200 Standards

State:

(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 doing business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical.

(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.

HMIS:

Health Hazard: 2 = MODERATE

Fire Hazard: 2 = MODERATE

Reactivity: 0 = INSIGNIFICANT

MSDS Revision Date:

April 21, 2005

Supersedes: March 18, 2002

Supersedes: December 15, 2001

MSDS Author:

CDB, Inc.,

P.O. Box 5604

Lakeland, FL 33807

(863) 644 - 3298

www.compdatabase.com

Disclaimer:

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 vendee 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.

NFPA RATING: IIA

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Lagasse Brothers, Inc.

HMIS

HEALTH	2
FIRE	2
REACTIVITY	0
PPE	

Para Blocks and Crystals



SECTION 1 : Chemical Product and Company Identification

MSDS Name: Para Blocks and Crystals

Manufacturer Name: Lagasse Brothers, Inc.

Address:

1525 Kuebel Street

New Orleans, LA 70123

Emergency Contact: (Spill/Release) (800)424-9300

Business Phone:(419) 531-9741
 For information in North America, call: (419) 531-9741
 For emergencies in the US, call CHEMTREC: 800-424-9300
 Manufacturer MSDS Revision Date:
 December 15, 2000

HMIS

Health Hazard: 2
 Fire Hazard: 2
 Reactivity: 0
 Personal Protection:

FP#Para

Product Codes:

KRYW24,KRYW16,KRYU04,KRYU03,KRYPBS,KRYG20,KRYB04,6-24HU,6-24,6-16HU,6-16,36-3,36-24HU,36-24,36-16HU,36-16,35-C,24-4MC2,24-4,144-4,144-3,12-USPB,12-4PS,12-4BB,12-4,12-3PS,12-3.5BB,12-3,12-24HU,12-24,12-16HU,12-16,1-20



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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
Paradichlorobenzene	106-46-7	> 99%	

OSHA PEL TWA: 75 PPM
 ACGIH TLV TWA: 10 PPM
 ACGIH STEL/Ceiling: 110 PPM



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SECTION 3 : Physical And Chemical Characteristics**Physical State/Appearance:**

Crystalline solid

Color:

Various colors

Odor:

Various Fragrances

Vapor Pressure:

0.6 mmHg

Vapor Density:

(Air=1): 5.1

Boiling Point:

345.2 deg F

Melting Point:

~127 deg F

Solubility:

In water: 0.008% by weight

Specific Gravity:

(Water=1): 1.245-1.250

Evaporation Point:

(Butyl Acetate = 1): < 1

FlashPoint:

125 deg F

Upper Flammable Explosive Limit:

Not Established

Lower Flammable Explosive Limit:

2.5



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SECTION 4 : Fire And Explosion Hazards

Fire:

Flammability Limits: Not Established

Flash Point:

125 deg F

Flash Point Method:

(Tag closed cup)

Upper Flammable or Explosive Limit: Not Established

Lower Flammable or Explosive Limit: 2.5

Extinguishing Media:

Water spray, carbon dioxide, dry chemical.

Fire Fighting Instructions:

Full protective equipment, including pressure demand self-contained breathing apparatus and turnout equipment should be worn by fire fighters and others exposed to combustion by products.

Unusual Fire Hazards:

None known



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SECTION 5 : Health Hazards

Paradichlorobenzene:

Signs/Symptoms:

Eyes and Skin: Irritation, redness

Ingestion/Inhalation: Headaches, dizziness, nausea, feeling of drunkenness and cardiac sensitization maybe experienced by some individuals when exposure exceeds permissible limits.

Aggravation of Pre-Existing Conditions:

None known

Applies to All Ingredients:

Routes of Exposure:

Inhalation: Yes

Skin: Yes

Eyes: No

Ingestion: Unlikely

Acute Health Effects:

(Acute & chronic): Exposure to concentrations above permissible limits cause depression of the central nervous system.

Eye Effect:

May cause irritation.

Skin Effects:

May cause irritation.

Ingestion Effects:

Depression of central nervous system.

Inhalation Effects:

Depression of central nervous system.

Carcinogenicity:

Inhalation studies indicate paradichlorobenzene in group C carcinogen category, possible human carcinogen.

Other Toxicological Information:

Signs & Symptoms of Exposure:

Eyes and Skin: Irritation, redness

Ingestion/Inhalation: Headaches, dizziness, nausea, feeling of drunkenness and cardiac sensitization maybe experienced by some individuals when exposure exceeds permissible limits.

Medical conditions generally aggravated by exposure: None known



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SECTION 6 : Emergency And First Aid Procedures

HMIS Codes:

Health: 2

Flammability: 2

Reactivity: 0

Eye Contact:

Remove contact lenses. Flush eyes with water for 15 minutes.

Skin Contact:

Wash affected area with soap and water.

Inhalation:

Remove to fresh air.

Ingestion:

Rinse mouth, DO NOT induce vomiting. Give plenty of water or milk. Contact a physician.



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SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Conditions to Avoid:

None

Incompatibilities with Other Materials:

None known

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:

Oxides of carbon, smoke, soot, hydrogen chloride and phosgene when burned.



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SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Scoop up and place in closed container. Allow residue to evaporate.

Storage:

Store in tightly sealed container, away from heat and flame. Avoid exposure to concentrations in excess of recommended limits.

Hygiene Practices:

Wash with soap and water after coming in contact with product.

Other Precautions:

Do not wear contact lenses when handling paradichlorobenzene. Always practice good housekeeping and hygienic measures. Clean up spills immediately.

Ecological Paragraph:

Not Established

Waste Disposal:

Dispose only in accordance with applicable federal, state and local laws and regulations.

DOT Hazard Class: Non Hazardous



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SECTION 9 : Control Measures**Ventilation System:**

Special: Not Applicable

Mechanical: Not Applicable

Local Exhaust:

Use in well ventilated areas.

Other Exhaust Information:

Not Applicable

Hand Protection Description:

Protective Gloves: None when used as directed.

Eye/Face Protection:

Do not touch eyes with para contaminated hands.

Protective Clothing/Body Protection:

None

Work/Hygienic Practices:

Wash with soap and water after coming in contact with product.



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SECTION 10 : Other Information**Paradichlorobenzene:****Section 313 Toxic Release Form:**

Paradichlorobenzene is subject to the reporting requirement of Section 313 of the emergency planning and community right to know act of 1986 and CFR: (Sara, Title III).

State:

This compound appears on California's proposition 65 list of chemicals (CodeC) and is listed as a toxic chemical by the state of Florida.

Regulatory Paragraph:

None Required

HMIS:

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

MSDS Revision Date:

December 15, 2000

MSDS Author:

Alex Isarov, Ph.D/Chief Chemist

Other Information: None Required

Paradichlorobenzene is subject to the reporting requirement of Section 313 of the emergency planning and community right to know act of 1986 and CFR: (Sara, Title III).

This compound appears on California's proposition 65 list of chemicals (CodeC) and is listed as a toxic chemical by the state of Florida.

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