


11/23/05

MATERIAL SAFETY DATA SHEET

	<p style="text-align: center;">OSHA - Meets 29 CFR 1910.1200 Standards</p> <p style="text-align: center;">HMIS HAZARD RATINGS</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">HEALTH</td> <td style="width: 33%;">2</td> <td style="width: 33%;">0 = INSIGNIFICANT</td> <td style="width: 33%;">3 = HIGH</td> </tr> <tr> <td>FLAMMABILITY</td> <td>2</td> <td>1 = SLIGHT</td> <td>4 = EXTREME</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> <td>2 = MODERATE</td> <td></td> </tr> </table> <p style="text-align: center;">TRANSPORTATION INFORMATION</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">PROPER SHIPPING NAME:</td> <td colspan="3">Environmentally hazardous substance, solid, n.o.s. (p-dichlorobenzene)</td> </tr> <tr> <td>HAZARD CLASS / PKG GRP:</td> <td>9 / III</td> <td>REF:</td> <td>49 CFR 173.155, .213, .240</td> </tr> <tr> <td>IDENTIFICATION NUMBER:</td> <td>UN 3077</td> <td>LABEL:</td> <td>Miscellaneous</td> </tr> </table>	HEALTH	2	0 = INSIGNIFICANT	3 = HIGH	FLAMMABILITY	2	1 = SLIGHT	4 = EXTREME	REACTIVITY	0	2 = MODERATE		PROPER SHIPPING NAME:	Environmentally hazardous substance, solid, n.o.s. (p-dichlorobenzene)			HAZARD CLASS / PKG GRP:	9 / III	REF:	49 CFR 173.155, .213, .240	IDENTIFICATION NUMBER:	UN 3077	LABEL:	Miscellaneous
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SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) PARADICHLOROBENZENE BLOCKS	(08161, 08241, 08411, 06301, 06311, 06931, 06401, 06411, 06901, 01931, 01991)	Page 1 of 2
MANUFACTURER'S NAME Hospital Specialty Company - <i>Krenz</i>	EMERGENCY TELEPHONE NUMBER CHEM • TEL (800) 255-3924 Outside USA (813) 248-0585	
ADDRESS (NUMBER, STREET, P.O. BOX) 670 Alpha Drive	TELEPHONE NUMBER FOR INFORMATION (440) 720-1800	
(CITY, STATE AND ZIP CODE) Highland Heights, OH 44143	DATE PREPARED: April 21, 2005 SUPERSEDES: December 15, 2001; March 18, 2002	

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (OPTIONAL)	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M ³	PPM	MG/M ³		
p-Dichlorobenzene (a,b,c,d,e,f)	106-46-7	60 - 100	75	450	10		Yes	100

- (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.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
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.	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.
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.	Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.
EYES: Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.	Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
INGESTION: Material is toxic; may cause headache, dizziness; may cause headache, dizziness, diarrhea and general weakness; swallowing can produce adverse health effects paralleling inhalation.	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.

CARCINOGENICITY	NTP?	Yes	IARC MONOGRAPHS?	Yes	OSHA REGULATED?	No
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p-Dichlorobenzene is listed as an anticipated carcinogen by NTP and 2B possibly carcinogenic to humans by IARC.

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

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		Page 2 of 2 Date: March 18, 2002
SECTION 4 - FIRE FIGHTING MEASURES		
FLASH POINT (METHOD USED) 151° F (66° C) CC	NFPA RATING IIA	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 area. 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 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.		
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)	SPECIFIC GRAVITY (WATER = 1) 1.500	
VAPOR PRESSURE (MM Hg) 0.6 mm Hg @ 20° C	pH Not determined	
VAPOR DENSITY (AIR = 1) 5.08	EVAPORATION RATE (WATER = 1) Not applicable	
SOLUBILITY IN WATER Practically insoluble in water.	% VOLATILE (BY WEIGHT) 100% @ 70° F	
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 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.		