

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Paradichlorobenzene Blocks - #06411 3oz, #06412 4oz, #06416 16oz, #CU70 Rim Cage, #CU50

Product Use: Deodorizer

WHMIS Class: Class B - Division 3 - Combustible Liquid, Class D - Division 2A

TDG Classification: Not regulated as dangerous goods.

Manufacturer/Supplier: Marino Manufacturing Ltd.
59 Talman Court
Concord, ON L4K 4L5 CA
Phone: 905-669-9949
Emergency Phone: 1-613-996-6666 (CANUTEC)

| LEGEND HMIS/NFPA | |
|---------------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 2 |
| Reactivity | 0 |
| Personal Protection | B |



SECTION II - HAZARDOUS INGREDIENTS

| <u>Ingredient(s)</u> | <u>CAS #</u> | <u>Wt%</u> | <u>ACGIH-TLV</u> | <u>LC50</u> | <u>Oral LD50</u> |
|----------------------|--------------|------------|------------------|------------------|------------------|
| p-Dichlorobenzene | 106-46-7 | 60 - 100 | 10 ppm - TWA | 5000 mg/l/4h rat | 3790 mg/kg rat |

SECTION III - PHYSICAL DATA

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|-----------------------------|---------------------------------|---|----------------|
| Boiling Point: | 173 °C (343.40 °F) | Specific Gravity: | 1.46 (H2O = 1) |
| Freezing Point: | 53 °C (127.40 °F) | Coefficient of Water/Oil Distribution: | Not available |
| Vapour Pressure: | 0.08 kPa (0.6 mmHg) @ 20°C | % Volatile: | Not available |
| Vapour Density: | 5.07 (Air = 1) | Evaporation Rate: | Not available |
| Solubility in Water: | Insoluble | pH: | Not applicable |
| Physical State: | Solid | Viscosity: | Not applicable |
| Appearance: | White blocks | Odour Threshold: | 15 ppm |
| Odour: | Strong chlorinated hydrocarbon. | | |

SECTION IV - FIRE AND EXPLOSION DATA

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|--|--|-------------------|------------------|
| Flammability: | Combustible by WHMIS criteria. | | |
| Flash Point (TCC): | 65.6 °C (150.08 °F) | LEL: 2.5 % | UEL: 16 % |
| Hazardous Combustion Products: | May include and are not limited to: Oxides of carbon. Hydrogen chloride. Phosgene. | | |
| Autoignition Temperature: | 413 °C (775.40 °F) | | |
| Explosion Data: | | | |
| Sensitivity to Mechanical Impact: | Not available | | |
| Sensitivity to Static Discharge: | Not available | | |
| Means of Extinction: | Dry chemical. Alcohol foam. Carbon dioxide. | | |
| Special Fire Hazards: | Firefighters should wear a self-contained breathing apparatus. | | |

SECTION V - REACTIVITY DATA

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|---|---|
| Conditions for Chemical Instability: | Stable under recommended storage conditions. |
| Incompatible Materials: | Oxidizers. |
| Reactivity: | Avoid high temperatures. Do not mix with other chemicals. |
| Hazardous Decomposition Products: | May include and are not limited to: Oxides of carbon. Hydrogen chloride. Phosgene when heated to decomposition. |

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause irritation.
Skin: May cause irritation.

Inhalation: Harmful if inhaled. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy: Non-hazardous by WHMIS criteria.
Respiratory Tract Sensitization: Non-hazardous by WHMIS criteria.
Carcinogenicity: Contains material which may cause cancer.
Teratogenicity: Non-hazardous by WHMIS criteria.
Mutagenicity: Non-hazardous by WHMIS criteria.
Reproductive Effects: Non-hazardous by WHMIS criteria.
Synergistic Materials: Not available

SECTION VII - PREVENTATIVE MEASURES

Gloves: Rubber gloves. Confirm with a reputable supplier first.
Eye Protection: Safety glasses
Respiratory Protection: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.
Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review federal, provincial, and local government requirements prior to disposal.
Handling Requirements: Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

SECTION VIII - FIRST AID

Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin: Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists.
Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 15-Dec-2008

Expiry Date: 15-Dec-2011

Prepared By: Dell Tech Laboratories Ltd. (519) 858-5021

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Paradichlorobenzene Blocks - #06411 3oz, #06412 4oz, #06416 16oz, #CU70 Rim Cage, #CU50



Combustible liquid. Contains toxic material.

Keep out of reach of children. Wear rubber gloves and safety glasses. Keep away from sources of ignition. No smoking.

EYE: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

SKIN: Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists.

INHALATION: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

READ MATERIAL SAFETY DATA SHEET BEFORE USING PRODUCT

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Liquide combustible. Contient matière toxique.

Tenir hors de la portée des enfants. Porter des gants en caoutchouc et des lunettes protectrices. Conserver à l'écart de toutes sources d'ignition. Ne pas fumer.

YEUX: Rincer à grande eau froide. Enlever les verres de contact, le cas échéant, et continuer à rincer. Obtenir de l'attention médicale si l'irritation persiste.

PEAU: Éliminer le plus possible de poudre. Rincer à grande eau. Obtenir de l'attention médicale si l'irritation persiste.

INHALATION: En cas de symptômes, placer la victime à l'air frais. Si les symptômes persistent, obtenir de l'attention médicale.

INGESTION: Ne pas faire vomir. Rincer la bouche à grande eau, puis boire un ou deux verres d'eau. Appeler un médecin. Ne jamais rien faire boire ou avaler à une victime inconsciente, ou si la victime a des convulsions.

LIRE LA FICHE SIGNALÉTIQUE AVANT D'UTILISER CE PRODUIT