

# Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 11/04/2015

Reviewed on 11/04/2015

## 1 Identification

- **Product identifier**
- **Trade name:** Para Dichlorobenzene Screen with Block, Toss-in Blocks, Wall Blocks, Bowl Blocks and 20 Pound Blocks
- **Article number:**  
01991, 01991W, 06901, 06411, 06411W, 06311, 06311W, 01931, 06931W, 08411, 08411W, 48241, 08161W-12, 48161W, 08220, 48169
- **CAS Number:**  
106-46-7
- **EC number:**  
203-400-5
- **Index number:**  
602-035-00-2
- **Recommended use:** Odor neutralising agent
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Hospeco  
26301 Curtiss Wright Parkway, Suite 200  
Richmond Heights, OH 44143  
216-535-4300  
info@hospeco.com
- **Emergency telephone number:**  
ChemTel Inc.  
+1 (800)255-3924, +1 (813)248-0585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity – Category 2 H351 Suspected of causing cancer.



GHS07

Eye Irritation - Category 2 H319 Causes serious eye irritation.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

- **Label elements**

- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms:**



GHS07 GHS08

· **Signal word:** Warning

· **Hazard-determining components of labeling:**

1,4-dichlorobenzene

· **Hazard statements:**

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

106-46-7 1,4-dichlorobenzene

· **Identification number(s)**

· **EC number:** 203-400-5

· **Index number:** 602-035-00-2

## 4 First-aid measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Take affected persons into fresh air and keep quiet.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Protect unharmed eye.

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:**  
Headache  
Breathing difficulty  
Coughing  
Dizziness  
Irritant to eyes.  
Nausea  
Gastric or intestinal disorders when ingested.
- **Danger:** Suspected of causing cancer.
- **Indication of any immediate medical attention and special treatment needed:**  
No relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:** No relevant information available.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Ensure adequate ventilation.  
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.  
For large spills, wear protective clothing.  
Keep away from ignition sources.
- **Environmental precautions:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.  
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling**
- **Precautions for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Provide ventilation for receptacles.  
Protect from humidity and water.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Keep containers tightly sealed.
- **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

### 106-46-7 1,4-dichlorobenzene

PEL (USA)	Long-term value: 450 mg/m <sup>3</sup> , 75 ppm
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 60 mg/m <sup>3</sup> , 10 ppm
EL (Canada)	Long-term value: 10 ppm IARC 2B
EV (Canada)	Long-term value: 10 ppm
LMPE (Mexico)	Long-term value: 10 ppm A3

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.

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Avoid contact with the eyes and skin.

· **Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

For large spills, respiratory protection may be advisable.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:**



Safety glasses

· **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment** Avoid release to the environment.

· **Risk management measures** See Section 7 for additional information.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General information**

· **Appearance:**

· **Form:** Solid material

· **Color:** Pink

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition:**

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** 174 °C (345 °F)

· **Flash point:** 65 °C (149 °F)

· **Flammability (solid, gaseous):** Product is not flammable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

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· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapor pressure at 20 °C (68 °F):</b>	0.6 mm Hg
· <b>Density:</b>	Not determined.
· <b>Relative density:</b>	Not determined.
· <b>Vapor density at 20 °C (68 °F):</b>	5.1 g/cm <sup>3</sup> (42.56 lbs/gal)
· <b>Evaporation rate:</b>	Not applicable.
· <b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>Other information</b>	No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- **Possibility of hazardous reactions:**  
Reacts with strong alkali.  
Reacts with strong oxidizing agents.  
Reacts with certain metals.  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid:** No relevant information available.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Possible in traces:  
Danger of toxic pyrolysis products.  
Hydrogen chloride (HCl)  
Chlorine

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.

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- **Primary irritant effect:**
- **On the skin:** Slight irritant effect on skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:** Suspected of causing cancer.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

106-46-7	1,4-dichlorobenzene	2B
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- **NTP (National Toxicology Program):**

106-46-7	1,4-dichlorobenzene	R
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- **OSHA-Ca (Occupational Safety & Health Administration):**

Substance is not listed.

- **Probable route(s) of exposure:**
  - Inhalation.
  - Eye contact.
  - Skin contact.
  - Ingestion.
- **Acute effects (acute toxicity, irritation and corrosivity):** Irritating to eyes.
- **Repeated dose toxicity:**
  - May cause damage to organs through prolonged or repeated exposure.
  - Suspected of causing cancer.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - Carcinogenicity – Category 2

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Toxic for aquatic organisms
- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information**
- **General notes:**
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects:** No relevant information available.

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## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG, IATA**

UN3077

· **UN proper shipping name**

· **DOT**

Environmentally hazardous substances, solid, n.o.s. (1,4-dichlorobenzene)

· **ADR**

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,4-DICHLOROBEZENE)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,4-DICHLOROBEZENE)

· **IATA**

Environmentally hazardous substances, solid, n.o.s. (1,4-dichlorobenzene)

· **Transport hazard class(es)**

· **DOT**



· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

9

· **ADR**



· **Class**

9 (M7) Miscellaneous dangerous substances and articles

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· <b>Label</b>	9
· <b>IMDG, IATA</b>	
 	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles
· <b>Label</b>	9
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	III
· <b>Environmental hazards</b>	
· <b>Marine pollutant:</b>	Yes
	Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles
· <b>Danger code (Kemler):</b>	90
· <b>EMS Number:</b>	F-A,S-F
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not regulated when carried in single or combination packaging containing a net quantity of 5L or less for liquids or 5 kg or less for solids per the following: DOT: 171.4(2) ADR: SP 375 IMDG: 2.10.2.7 IATA: special provision A197
· <b>DOT</b>	
· <b>Hazardous substance:</b>	100 lbs, 45.4 kg
· <b>Remarks:</b>	Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.
· <b>UN "Model Regulation"</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (1,4-DICHLOROBENZENE), 9, III

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## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

### · Section 302 (extremely hazardous substances):

Substance is not listed.

### · Section 304 (emergency release notification):

Substance is not listed.

### · Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

Substance is not listed.

### · Section 355 (extremely hazardous substances):

Substance is not listed.

### · Section 313 (Specific toxic chemical listings):

Substance is listed.

### · TSCA (Toxic Substances Control Act)

Substance is listed.

### · Proposition 65 (California)

#### · Chemicals known to cause cancer:

106-46-7 | 1,4-dichlorobenzene

#### · Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

#### · Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

#### · Chemicals known to cause developmental toxicity:

Substance is not listed.

#### · Carcinogenic categories

#### · EPA (Environmental Protection Agency):

Substance is not listed.

#### · IARC (International Agency for Research on Cancer):

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2B

#### · TLV (Threshold Limit Value established by ACGIH):

106-46-7 | 1,4-dichlorobenzene

A3

#### · MAK (German Maximum Workplace Concentration)

106-46-7 | 1,4-dichlorobenzene

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#### · NIOSH-Ca (National Institute for Occupational Safety and Health):

Substance is listed.

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- **Canada**
- **Canadian substance listings**

· **Canadian Domestic Substances List (DSL):**

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· **Canadian Ingredient Disclosure list (limit 0.1%):**

Substance is not listed.

· **Canadian Ingredient Disclosure list (limit 1%):**

106-46-7	1,4-dichlorobenzene
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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 11/04/2015 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irritation - Category 2: Serious eye damage/eye irritation, Hazard Category 2

Carcinogenicity – Category 2: Carcinogenicity, Hazard Category 2

- **Sources**

SDS Prepared by:

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