

## Hillyard Para Products

### SECTION 1. IDENTIFICATION

|                                      |   |
|--------------------------------------|---|
| <b>Product Identifier</b>            | Hillyard Para Products  |
| <b>Other Means of Identification</b> | HIL29914, HIL29915, HIL29916, HIL29917, & HIL0029920  |
| <b>Other Identification</b>          | Para Product  |
| <b>Product Family</b>                | Dry Deodorants  |
| <b>Recommended Use</b>               | Dry Deodorants.   |
| <b>Restrictions on Use</b>           | None known.   |
| <b>Supplier</b>                      | Hillyard, PO Box 909, St. Joseph, MO, 64501, Hillyard Clean Assist, 816 233 1321, <a href="http://www.hillyard.com">http://www.hillyard.com</a> |
| <b>Emergency Phone No.</b>           | Hillyard (Chemtrec), 800 424 9300, 24hr   |
| <b>SDS No.</b>                       | 0367  |

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Serious eye damage/eye irritation - Category 2A; Carcinogenicity - Category 2; Aquatic hazard (Acute) - Category 1; Aquatic hazard (Chronic) - Category 1

#### GHS Label Elements



Signal Word:  
Warning

|      |   |
|------|---|
| H319 | Causes serious eye irritation.                        |
| H351 | Suspected of causing cancer.                          |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

#### Precautionary Statement(s):

|                    |  |
|--------------------|--|
| P280               | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P281               | Wear personal protective equipment/face protection.  |
| P273               | Avoid release to the environment.  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P405               | Store locked up.   |
| P501               | Dispose of contents/container in accordance with local, regional, national and international regulations.                        |

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                      |                        |
|----------------------|------------------------|
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Mixture:

| Chemical Name       | CAS No.  | %    | Other Identifiers |
|---------------------|----------|------|-------------------|
| 1,4-Dichlorobenzene | 106-46-7 | 99.9 |                   |
| Fragrance           | No CAS   | .001 |                   |

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

#### Skin Contact

Get medical advice/attention if you feel unwell or are concerned.

#### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

#### Ingestion

Get medical advice/attention if you feel unwell or are concerned.

#### First-aid Comments

Get medical advice/attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

None known.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

Not applicable.

#### Medical Conditions Aggravated by Exposure

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Can ignite if strongly heated.

In a fire, the following hazardous materials may be generated: irritating chemicals; very toxic chemicals.

### Special Protective Equipment and Precautions for Fire-fighters

Toxic gases or vapours.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

### Environmental Precautions

It is good practice to prevent releases into the environment. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

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## Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

When handling concentrated product: avoid repeated or prolonged skin contact. Do not get in eyes, on skin or on clothing. Avoid generating dusts.

### Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, out of direct sunlight and away from heat and ignition sources.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name       | ACGIH TLV® |      | OSHA PEL  |         | AIHA WEEL |     |
|---------------------|------------|------|-----------|---------|-----------|-----|
|                     | TWA        | STEL | TWA       | Ceiling | 8-hr TWA  | TWA |
| 1,4-Dichlorobenzene | 60 mg/m3   |      | 450 mg/m3 |         |           |     |

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

#### Skin Protection

Not required, if used as directed.

#### Respiratory Protection

Not usually required when working with small quantities.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|   |  |
|---|--|
| Appearance                                  | Colourless white crystalline crystals.                                 |
| Odour                                       | Aromatic (1,4-Dichlorobenzene)   |
| Melting Point/Freezing Point                | 129 °F (54 °C) (melting)   |
| Initial Boiling Point/Range                 | 345 °F (174 °C)  |
| Flash Point                                 | 151 °F (66 °C) (1,4-Dichlorobenzene)                                   |
| Flammability (solid, gas)                   | Not applicable   |
| Upper/Lower Flammability or Explosive Limit | 5.9% (1,4-Dichlorobenzene) (upper); 1.7% (1,4-Dichlorobenzene) (lower) |
| Solubility                                  | 79 mg/L in water; Highly soluble in common organic solvents.           |
| Auto-ignition Temperature                   | 1184 °F (640 °C)   |
| Other Information                           |  |
| Physical State                              | Solid  |
| Bulk Density                                | 0.078 lb/ft <sup>3</sup> (0.001 kg/L)                                  |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

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### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

High temperatures. Generation of dust.

### Incompatible Materials

Acid anhydrides (e.g. acetic anhydride), strong acids (e.g. hydrochloric acid), inorganic acids (e.g. hydrofluoric acid), organic acids (e.g. acetic acid), strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Very toxic chemicals.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact.

### Acute Toxicity

| Chemical Name       | LC50 | LD50 (oral)          | LD50 (dermal)         |
|---------------------|------|----------------------|-----------------------|
| 1,4-Dichlorobenzene |      | 500 mg/kg (male rat) | > 2000 mg/kg (rabbit) |

### Skin Corrosion/Irritation

Human experience shows very mild irritation.

### Serious Eye Damage/Irritation

There is limited evidence of serious eye irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

No information was located.

#### Skin Absorption

No information was located.

#### Ingestion

No information was located.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

### Respiratory and/or Skin Sensitization

Not known to be a skin sensitizer.

### Carcinogenicity

| Chemical Name       | IARC     | ACGIH® | NTP | OSHA |
|---------------------|----------|--------|-----|------|
| 1,4-Dichlorobenzene | Group 2B | A3     |     |      |

May cause cancer. (1,4-Dichlorobenzene)

### Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. A3 = Animal carcinogen.

IARC = International Agency for Research on Cancer. Group 2B = Possibly carcinogenic to humans.

### Reproductive Toxicity

#### Development of Offspring

No information was located.

#### Sexual Function and Fertility

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No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

**Toxicity**

Very toxic to fish.

**Acute Aquatic Toxicity**

| Chemical Name       | LC50 Fish   | EC50 Crustacea                        | ErC50 Aquatic Plants | ErC50 Algae   |
|---------------------|---|---------------------------------------|----------------------|---|
| 1,4-Dichlorobenzene | 4.2 mg/L<br>(Pimephales promelas (fathead minnow); 96-hour) | .70 mg/L (Daphnia magna (water flea)) |                      | 28 mg/L<br>(Desmodesmus subspicatus (algae); 48-hour) |

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

If released into the environment, this product can move slowly through the soil.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**SECTION 14. TRANSPORT INFORMATION**

| Regulation   | UN No. | Proper Shipping Name   | Transport Hazard Class(es) | Packing Group |
|--------------|--------|--|----------------------------|---------------|
| Canadian TDG | 3007   | Environmentally Hazardous Substances, Solid n.o.s. (p-dichlorobenzene) | 9.2                        | III           |
| US DOT       | 3077   | Environmentally Hazardous Substances, Solid n.o.s. (p-dichlorobenzene) | 9                          | III           |
| IMO (Marine) | 3077   | Environmentally Hazardous Substances, Solid n.o.s. (p-dichlorobenzene) | p                          | III           |
| IATA (Air)   | 3077   | Environmentally Hazardous Substances, Solid n.o.s. (p-dichlorobenzene) | p                          | III           |

**Environmental Hazards** Marine Pollutant (1,4-Dichlorobenzene)

**Special Precautions for User** Please note: US DOT: In inner containers of 100 lbs capacity or less, this product is exempt from DOT regulations (non-regulated).

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Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### CEPA - National Pollutant Release Inventory (NPRI)

Part 1A, Part 5.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

#### Custom Regulatory 1

This Product may not be sold for use in the following US states: California Michigan Maryland Delaware Pennsylvania New York New Jersey Connecticut Rhode Island Massachusetts Maine District of Columbia

## SECTION 16. OTHER INFORMATION

|                            |                   |                         |                        |
|----------------------------|-------------------|-------------------------|------------------------|
| <b>NFPA Rating</b>         | <b>Health - 1</b> | <b>Flammability - 2</b> | <b>Instability - 0</b> |
| <b>SDS Prepared By</b>     | Wayne Hegstrom    |                         |                        |
| <b>Phone No.</b>           | 405 682 2541      |                         |                        |
| <b>Date of Preparation</b> | March 13, 2015    |                         |                        |

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