

# Perfect Data Eco II Duster

## SAFETY DATA SHEET

According to Canada's Hazardous Products Regulations (HPR) SOR/2015-17

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

|               |                            |
|---------------|----------------------------|
| Chemical Name | Mixture                    |
| CAS No.       | Mixture                    |
| Trade Name    | Perfect Data Eco II Duster |
| Product Code  | 50-501277,501278,501279    |

#### Relevant identified uses of the substance or mixture and uses advised against

|                           |  |
|---------------------------|--|
| Identified Use(s)         | Cleaning product   |
| Uses Advised Against      | None   |
| Company Identification    | Spray Products Corporation<br>P.O. Box 737<br>Norristown, PA 19404 |
| Telephone                 | (610) 277-1010   |
| Fax                       | (610) 277-4390   |
| E-Mail (competent person) | <a href="mailto:sds@sprayproducts.com">sds@sprayproducts.com</a>   |

#### Emergency telephone number

|                     |   |
|---------------------|---|
| Emergency Phone No. | <b>Transportation Emergency:</b> CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted) |
|---------------------|---|

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

|                                    |   |
|------------------------------------|---|
| HPR/WHIMIS 2015/GHS Classification | Flam. Aerosol 1; Liquefied Gas; Simple Asphyxiant |
|------------------------------------|---|

#### Label elements

Hazard Symbol



**DANGER**

Signal Word(s)

Hazard Statement(s)

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
May displace oxygen and cause rapid suffocation.  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing spray.  
Store in a well-ventilated place. Do not use in confined spaces.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
Wear eye/face protection.  
Wash hands and exposed skin after use.  
Keep out of reach of children.

Precautionary Statement(s)

#### Other hazards

Intentional inhalation of gas from container may be fatal.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient(s) | % wt. *  | CAS No. | Hazard classification   |
|-------------------------|----------|---------|---|
| 1,1-Difluoroethane      | 98 - 100 | 75-37-6 | Flam. Gas 1; H220<br>Liquified Gas; H280<br>Simple Asphyxiant |

**Additional Information** - None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation

Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.

Ingestion

Unlikely to be required but if necessary treat symptomatically. Do not give anything by mouth to an unconscious person. Seek medical treatment.

**Most important symptoms and effects, both acute and delayed**

Liquid contact with skin or eyes may cause frostbite.

**Indication of any immediate medical attention and special treatment needed**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray. Do not use water jet.

**Special hazards arising from the substance or mixture**

Highly flammable vapour (flash point below 23°C).

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapours.

**Environmental precautions**

Not normally required.

**Methods and material for containment and cleaning up**

Gaseous. Not normally required.

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Reference to other sections None

Additional Information None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Do not use in confined spaces.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature Protect from sunlight. Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C/122°F.

-Incompatible materials This product should be stored away from sources of strong heat or oxidising chemicals. Materials to avoid: Alkalai or Alkaline Earth Metals (Al, Zn).

**Specific end use(s)** Cleaning product

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

| SUBSTANCE. | CAS No. | (8hr TWA)    |             | (STEL)       |             | Note: |
|------------|---------|--------------|-------------|--------------|-------------|-------|
|            |         | OEL (Canada) | TLV (ACGIH) | OEL (Canada) | TLV (ACGIH) |       |
| None       | -----   | -----        | -----       | -----        | -----       | #     |

\*Assure minimum oxygen content of work atmosphere.

**Recommended monitoring method** None


**Exposure controls**


**Appropriate engineering controls** Ensure adequate ventilation.

**Personal protection equipment**

Eye/face protection  Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)  Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber)

Respiratory protection  Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. A dust mask is not acceptable.

Thermal hazards  Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls** None known

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance Liquified Gas

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|  |   |
|--|---|
| Color.                                   | Colorless                                     |
| Odour                                    | Slight ethereal odor                          |
| Odour Threshold (ppm)                    | Not available                                 |
| pH (Value)                               | Not available                                 |
| Melting Point (°C) / Freezing Point (°C) | Not available                                 |
| Boiling point/boiling range (°C):        | -25 (1,1-Difluoroethane)                      |
| Flash Point (°C)                         | -50, est. (1,1-Difluoroethane)                |
| Evaporation Rate                         | >1 (Ethyl ether =1) (1,1-Difluoroethane)      |
| Flammability (solid, gas)                | Extremely flammable                           |
| Explosive Limit Ranges                   | 3.9% - 16.9% v/v (1,1-Difluoroethane)         |
| Vapour pressure (Pascal)                 | $5.3 \times 10^5$ @ 21°C (1,1-Difluoroethane) |
| Vapour Density (Air=1)                   | 2.4 (1,1-Difluoroethane)                      |
| Density (g/ml)                           | Not available                                 |
| Solubility (Water)                       | 0.28% @ 21°C (1,1-Difluoroethane)             |
| Solubility (Other)                       | Not available                                 |
| Partition Coefficient (n-Octanol/water)  | Not available                                 |
| Auto Ignition Point (°C)                 | 440 (1,1-Difluoroethane)                      |
| Decomposition Temperature (°C)           | Not available                                 |
| Kinematic Viscosity                      | Not available                                 |
| Explosive properties                     | Not explosive.                                |
| Oxidising properties                     | Not oxidising.                                |
| <b>Other information</b>                 | Not available                                 |

## SECTION 10: STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                           | Stable under normal conditions.               |
| <b>Chemical stability</b>                   | Stable.                                       |
| <b>Possibility of hazardous reactions</b>   | None anticipated.                             |
| <b>Conditions to avoid</b>                  | Avoid contact with heat and ignition sources. |
| <b>Incompatible materials</b>               | Strong oxidising agents.                      |
| <b>Hazardous decomposition product(s)''</b> | Hydrofluoric Acid and Carbonyl Halides.       |

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

|                             |  |
|-----------------------------|--|
| Acute toxicity (Inhalation) | ALC (approximate lethal concentration) = 383000 ppm<br>4 hr exposure |
|-----------------------------|--|

## SECTION 12: ECOLOGICAL INFORMATION

|                          |               |
|--------------------------|---------------|
| <b>Aquatic toxicity:</b> |               |
| Short term               | Not available |
| Long Term                | Not available |

## SECTION 13: DISPOSAL CONSIDERATIONS

|                                |  |
|--------------------------------|--|
| <b>Waste treatment methods</b> | Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. |
|--------------------------------|--|

## SECTION 14: TRANSPORT INFORMATION

|                             | <b>Land transport<br/>(TDG)</b> | <b>Sea transport<br/>(IMDG)</b> | <b>Air transport<br/>(ICAO/IATA)</b> |
|-----------------------------|---------------------------------|---------------------------------|--------------------------------------|
| <b>UN number</b>            | UN 1030                         | UN 1030                         | UN 1030                              |
| <b>Proper Shipping Name</b> | 1,1-Difluoroethane              | 1,1-Difluoroethane              | 1,1-Difluoroethane                   |

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|                                     |                |                |                |
|-------------------------------------|----------------|----------------|----------------|
| <b>Transport hazard class(es)</b>   | 2.1            | 2.1            | 2.1            |
| <b>Packing group</b>                | Not applicable | Not applicable | Not applicable |
| <b>Environmental hazards</b>        | None assigned  | None assigned  | None assigned  |
| <b>Special precautions for user</b> | None assigned  | None assigned  | None assigned  |

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance to CPR Section 12 and the MSDS contains all the information required by the CPR.

Canada (DSL/NDSL) - All chemicals listed.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: March 12, 2017

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H220: Extremely flammable gas.
- H280: Contains gas under pressure; may explode if heated.

Training advice: None.

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