

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

| | |
|---------------|----------------------------|
| Chemical Name | Mixture |
| CAS No. | Mixture |
| Trade Name | Perfect Data Eco II Duster |
| Product Code | 50-105842-1 50-106032-5 |

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

| | |
|----------------------|---------------|
| Identified Use(s) | Dusting agent |
| Uses Advised Against | None |

| | |
|------------------------|--|
| Company Identification | Spray Products Corporation P.O. Box 737 Norristown, PA 19404 |
|------------------------|--|

| | |
|---------------------------|--|
| Telephone | (610) 277-1010 |
| Fax | (610) 277-4390 |
| E-Mail (competent person) | SDS@SPRAYPRODUCTS.COM |

Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products under OSHA Hazard Communication labeling .

Classification of the substance or mixture

| | |
|-----------------------------|---|
| OSHA HCS (29 CFR 1910.1200) | Flam. Aerosol 1; Liquefied Gas; Simple Asphyxiant |
|-----------------------------|---|

Label elements

Hazard Symbol



Signal word(s)

DANGER

Hazard Statement(s)

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

Precautionary Statement(s)

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.

Other hazards

Intentional inhalation of gas from container may be fatal.

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 Liquified Gas; H280 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 labored, 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 Extinguish with carbon dioxide, dry chemical, foam or water spray.
 -Unsuitable Extinguishing Media Do not use water jet.

Special hazards arising from the substance or mixture

Highly flammable vapor (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. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions

Not normally required.

Methods and material for containment and cleaning up

Gaseous. Not normally required.

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 oxidizing chemicals. Materials to avoid: Alkalai or Alkaline Earth Metals (Al, Zn).

Specific end use(s)

Dusting agent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| SUBSTANCE. | CAS No. | (8hr TWA) | | (STEL) | | Note: |
|------------|---------|------------|-------------|------------|-------------|-------|
| | | PEL (OSHA) | TLV (ACGIH) | PEL (OSHA) | 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 |
| Color. | Colorless |
| Odor | Slight ethereal odor |
| Odor 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) |
| Vapor pressure (Pascal) | 5.3×10^5 @ 21°C (1,1-Difluoroethane) |
| Vapor 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. |
| Oxidizing properties | Not oxidizing. |
| Other information | Not available |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable under normal conditions. |
| Chemical stability | Stable. |
| Possibility of hazardous reactions | None anticipated. |
| Conditions to avoid | Avoid contact with heat and ignition sources. |
| Incompatible materials | Strong oxidizing agents. Materials to avoid: Alkalai or Alkaline Earth Metals (Al, Zn). |
| Hazardous decomposition product(s)`` | 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
4 hr exposure

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity:

Short term

Not available

Long Term

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

| | <u>U.S. DOT</u> | <u>Sea transport (IMDG)</u> | <u>Air transport (ICAO/IATA)</u> |
|------------------------------|--------------------|-----------------------------|----------------------------------|
| UN number | 1030 | 1030 | 1030 |
| Proper Shipping Name | 1,1-Difluoroethane | 1,1-Difluoroethane | 1,1-Difluoroethane |
| Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| Packing group | Not applicable | Not applicable | Not applicable |
| Environmental hazards | None assigned | None assigned | None assigned |
| Special precautions for user | 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:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) |
|---------------|---------|--------------|-------------|
| None | ---- | ---- | ---- |

SARA 311/312 - Hazard Categories: See SECTION 2: HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| Isopropanol | 67-63-0 | 0.0087 |

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

| Chemical Name | CAS No. | Typical %wt. | TPQ (pounds) |
|---------------|---------|--------------|--------------|
| None | ---- | ---- | ---- |

California Proposition 65 List:

| Chemical Name | CAS No. | Type of Toxicity |
|---------------|---------|------------------|
| None | ---- | ---- |

SECTION 16: OTHER INFORMATION

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

Date of preparation: October 3, 2014

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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