



# MATERIAL SAFETY DATA SHEET

Prepared according to ISO 11014 : 2009

Data sheet No: MSDS0077US Issue: 2 Date: 03.04.10

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## WHAT IS THE PRODUCT AND WHAT INFORMATION IS REQUIRED IN AN EMERGENCY?

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### SECTION 1 - IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

**Product Name:** SOLO Detector Duster

**Part Number:** SOLO A7 - XXX (XXX denotes product variant reference)

**Distributor:** SDi, 1345 Campus Parkway, Neptune, NJ 07753 6815  
Tel (732) 751 9266; Fax (732) 751 9241

### SECTION 2 - HAZARD IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation

#### FIRE AND EXPLOSION HAZARDS:

- This product is classed as a non-flammable aerosol. However mixtures of HFC-134a with high concentrations of air at elevated pressure and / or temperature can become combustible in the presence of an ignition source.
- As with all pressurised aerosol containers, cans may burst if heated to over 122°F (50°C)

### SECTION 3 - COMPOSITION/INFORMATION ON COMPONENTS

Components	EINECS No.	CAS No.	Approx. wt. %	Symbo I	EC Risk phrase/class
HFC 134a (1,1,1,2- Tetrafluoroethane) The full text for all R / S phrases are shown in section 16	212-377-0	811-97-2	80-100	NC	Not classified

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## WHAT SHOULD BE DONE IF A HAZARDOUS SITUATION OCCURS?

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### SECTION 4 - FIRST AID MEASURES

#### Eyes:

- Rinse the eyes with water immediately after contact,

#### Skin:

- Rinse the skin immediately with lots of water;

#### Ingestion:

- Unlikely to happen as the product is a vapour/mist at room temperature; If product enters mouth, rinse mouth out with water and avoid swallowing;

#### Inhalation:

- Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.

### SECTION 5 - FIRE FIGHTING MEASURES

#### Extinguishing Media:

- Use water spray to keep containers cool that are exposed to heat or flames. Use extinguishing media as appropriate for surrounding fire.

#### Unusual Fire & Explosion Hazards

- Pressurised Container, possible risk of can rupture when exposed to fire/high temperatures.

#### Special exposure hazards:

- Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid breathing gas. When airborne exposure limits are exceeded use NIOSH approved respiratory protection equipment.

## **SECTION 6 - ACCIDENTAL RELEASE (SPILL AND LEAK) MEASURES:**

### **Person-related safety precautions:**

- With uncontrollable releases (i.e., release from several cans at once), evacuate affected area and ventilate;

### **Measures for cleaning:**

- Ensure adequate ventilation to allow for evaporation

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## **HOW CAN HAZARDOUS SITUATIONS BE PREVENTED FROM OCCURRING?**

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## **SECTION 7 - PRECAUTIONS FOR SAFE HANDLING, STORAGE & USE**

### **Safe Handling:**

- Contents are under pressure- do not puncture or force open cans even when empty

### **Safe Storage:**

- Observe official regulations on storing packaging with pressure containers;
- Store containers in cool, dry locations away from direct sunlight and do not store at temperatures exceeding 122°F (50°C) e.g. passenger or back seat of a car in summer months

### **Safe Use:**

- As with all chemicals, avoid getting this product IN YOU- do not eat and drink whilst handling chemicals;
- Ensure good ventilation/mechanical exhaustion at workplace;
- Do not deliberately concentrate or inhale vapours;
- Follow label directions carefully;
- Do not spray on a naked flame or incandescent material.

## **SECTION 8 - EXPOSURE CONTROLS**

### **Occupational Exposure Limit**

- HFC 134a (1,1,1,2- Tetrafluoroethane) 1000ppm / 4240mg / m<sup>3</sup> (8hr TWA reference period).

### **Respiratory Protection:**

- No protective device is required during normal use of product in well-ventilated area.
- Mechanical ventilation is recommended where product is used in confined or poorly ventilated spaces.

### **Hand and Eye Protection:**

- Not normally required when used as directed.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

### **Physical & Chemical properties:**

- Appearance - Clear, colourless liquefied gas

## **SECTION 10- STABILITY & REACTIVITY**

### **Stability:**

- Normally stable;

### **Conditions to avoid:**

- Extreme heat, direct sunlight;

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**WHAT IS THE IMPACT OF THIS PRODUCT ON HEALTH AND THE ENVIRONMENT?**

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

Under normal usage, this product should pose little risk to the health of the user.

**Skin, Eyes and Respiratory system:**

- **Inhalation:** Gas or vapor displaces oxygen available for breathing (asphyxiant).
- **Skin:** Liquid on skin could result in freeze burns.
- **Eyes:** Liquid splashes could result in freezing of the eye tissue.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental Hazards:**

- Not classified as dangerous to the environment;

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste disposal method:**

- Consult local and national regulations;
- Do not puncture or incinerate even when empty;
- Dispose of in accordance with Local Authority Requirements

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**WHAT INFORMATION DO I NEED TO KNOW REGARDING THE TRANSPORTATION,  
CLASSIFICATION, PACKAGING AND LABELLING OF THIS PRODUCT?**

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**SECTION 14 - TRANSPORT INFORMATION**

US DOT:

Proper Shipping Name: 1,1,1,2-tetrafluoroethane

Hazard Class: 2.2

UN/NA Number: UN3159

DOT Packing Group: N/A

IMDG:

Proper Shipping Name: 1,1,1,2-tetrafluoroethane

Hazard Class: 2.2

Hazard Subclass: Not determined

UN Number: UN3159

DOT Packing Group: N/A

Marine Pollutant: No

TRANSPORT CANADA-TDG:

Proper Shipping Name: 1,1,1,2-tetrafluoroethane

Primary Class: 2.2

UN Number: UN3159

Packaging Group: N/A

## **SECTION 15- REGULATORY INFORMATION**

TSCA (Toxic Substances Control Act) Regulations 40 CFR 710: All ingredients are on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355,370 and 372): This product does not contain any chemicals subject to reporting requirements of SARA section 313.

### **Code and hazard designation of product:**

#### **Risk R- Phrases:**

- Not classified

#### **Safety S- Phrases:**

- S2 - Keep out the of reach of children;
- S23 - Do not breathe gas / fumes / vapor / spray
- S51 - Use only in well ventilated areas
- S9 - Keep container in a well ventilated place
- S35 - This material and its container must be disposed of in a safe way

#### **WHMIS (Canada)**

- Class A: Compressed.

## **SECTION 16 - OTHER INFORMATION**

### **Revision Status:**

- |                                                                                                                                                             |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1. Material Safety Data Sheet                                                                                                                               | 10.20.2003 |
| 2. Sections 2 and 3 reversed in accordance with specification.<br>Section 8 OEL (Occupational Exposure Limit) added.<br>Specification Heading added page 1. | 03.04.2010 |

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