

MATERIAL SAFETY DATA SHEET

Prepared to Commission Directive 1907/2006 (REACH) EEC Article 31

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

SECTION 1 - IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product Name: SOLO Detector Duster

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

Manufacturer: No Climb Products Ltd, Edison House, 163 Dixons Hill Road, Welham Green, Hertfordshire AL9 7JE United Kingdom

Tel +44 (0) 1707 282760; Fax +44 (0) 1707 282777

SECTION 2 - HAZARD IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008

This substance is not classified according to the CLP regulation.

Not regarded as a health or environmental hazard under current legislation.

Label elements

Labelling according to Regulation (EC) No 1272/2008 Void.

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 50°C (122°F).

SECTION 3 - COMPOSITION/INFORMATION ON COMPONENTS

Chemical characterization: Substances

Components	EINECS No.	CAS No.	Approx. wt. %
HFC 134a (1,1,1,2- Tetrafluoroethane)	212-377-0	811-97-2	80-100

WHAT SHOULD BE DONE IF A HAZARDOUS SITUATION OCCURS?

SECTION 4 - FIRST AID MEASURES

Eyes:

- Rinse the eye with water immediately

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:

- 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

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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

HOW CAN HAZARDOUS SITUATIONS BE PREVENTED FROM OCCURRING?

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 50°C (122°F) (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- if this is not possible, take regular breaks from use;
- 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) WEL Long Term value: 1000ppm / 4240mg / m³ .

Respiratory Protection:

- No protective device is required during normal use of product;
- 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
- Boiling point -26°C
- Vapour pressure at 20°C 5.8 Bar
- Density at 20°C 1.22g/cm³
- Solubility in / Miscibility with water at 20°C 1.93g/l

SECTION 10- STABILITY & REACTIVITY

Stability:

- Normally stable;

Conditions to avoid:

- Extreme heat, direct sunlight;

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

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 vapour displaces oxygen available for breathing (asphyxiant).
- **Skin:** No irritant effect
- **Eyes:** No irritant effect

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

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

SECTION 14 - TRANSPORT INFORMATION

Land Transport (ADR/RID): (cross border)



- ADR/RID: 2 2A Gases
- Danger code (Kemler): 20
- UN Number: 1950
- Hazard label: 2
- UN proper shipping name: 1950 AEROSOLS

Maritime Transport (IMDG): Land-Sea Interface:



- IMDG Class: 2
- UN Number: 1950
- Label: 2.2
- EMS Number: F-D, S-U
- Marine pollutant: No
- Proper shipping name: AEROSOLS

Air Transport (ICAO-TI/IATA):

- ICAO/IATA Class: 2
- UN Number: 1950
- Proper shipping name: AEROSOLS

SECTION 15- REGULATORY INFORMATION

Designation according to EC Guidelines

This product has been classified and labelled in accordance with relevant EC Directives and national laws including the HSH Approved Supply List (L142) and UK's CHIP (as currently amended) regulations.

Code and hazard designation of product:

- Not applicable

Risk R- Phrases:

- Not classified

Safety S- Phrases:

- S2 - Keep out the of reach of children;
- S23 - Do not breathe gas / fumes / vapour / 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

SECTION 16 - OTHER INFORMATION

Revision Status:

1. New Material Data Sheet	Issue 1: 28-10-2003
2. Change of Address	Issue 2: 04 -12-2003
3. Section 14 amended to include reference to Designation & Class 2.2	Issue 3: 30 -08-2005
4. Commission Directive added page 1 Section 8 OEL (Occupational Exposure Limit) added	Issue 4: 21-07-2009
5. Classification according to Regulation (EC) No 1272/2008.	Issue 5: 11-05-2011

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