


SOLO Detector Duster  
**SAFETY DATA SHEET**  
SDS0077US-EN  
ACCORDING TO US CFR 1910.1200

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

- 1.1 Product identifier**  
Product Name SOLO Detector Duster.  
Trade Name SOLO A7-XXX (XXX denotes customer variant).  
CAS No. 811-97-2  
EINECS No. 212-377-0
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified use(s) Clearing of dust or other solid contaminants.  
Uses advised against None known.
- 1.3 Details of the supplier of the Safety Data Sheet**  
Company Identification SDi, LLC, 3535 State Highway 66, Parkway 100 Building 6, Neptune, NJ 07753,  
Telephone (732) 751 9266  
Fax (732) 751 9241  
E-mail sales@sdfire.com
- 1.4 Emergency telephone number**  
Info Trac 1-800-535-5053
- 1.5 Details of the Manufacturer**  
Company Identification Detectortesters (No Climb Products Ltd), Edison House, 163 Dixons Hill Road  
Welham Green, Hertfordshire. AL9 7JE. United Kingdom  
Telephone +44 (0) 1707 282760  
Fax +44 (0) 1707 282777  
E-mail SDS@detectortesters.com

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture**  
US CFR 1910.1200 Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated.
- 2.2 Label elements**  
Product Name SOLO Detector Duster  
Hazard pictogram(s)  
  
GHS04  
Signal word(s) Warning.  
Hazard statement(s) H280: Contains gas under pressure; may explode if heated.  
Precautionary statement(s) P410+P403: Protect from sunlight. Store in a well-ventilated place.  
P251: Do not pierce or burn, even after use.
- 2.3 Other hazards** None.
- 2.4 Additional Information** None.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Product as supplied: Aerosol.

**3.1 Substances**

Hazardous ingredient(s)	CAS No.	%W/W
1,1,1,2-tetrafluoroethane	811-97-2	80 - 100

**3.2 Additional Information**  
None.

**SECTION 4: FIRST AID MEASURES**



- 4.1 Description of first aid measures**  
Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Skin Contact Wash skin with soap and water.  
Eye Contact Flush eyes with water for at least 15 minutes while holding eyelids open.  
Ingestion Unlikely route of exposure.  
None anticipated.
- 4.2 Most important symptoms and effects, both acute and delayed**



Specialized Fire Products

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- 4.3 **Indication of any immediate medical attention and special treatment needed** Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

Contains gas under pressure; may explode if heated.

- 5.1 **Extinguishing Media**  
Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or waterspray.  
Unsuitable Extinguishing Media Do not use water jet.
- 5.2 **Special hazards arising from the substance or mixture** Heating may cause pressure rise with risk of bursting.
- 5.3 **Advice for fire-fighters** Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

- 6.1 **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Wear protective gloves.
- 6.2 **Environmental precautions** Do not release large quantities into the surface water or into drains.
- 6.3 **Methods and material for containment and cleaning up** Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.  
See Also Section: 8, 13.
- 6.4 **Reference to other sections**

## SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Protect from sunlight. Store in a well-ventilated place. Do not pierce or burn, even after use.
- 7.2 **Conditions for safe storage, including any incompatibilities** Observe official regulations on storing packagings with pressurised containers.  
Storage Temperature Ambient.  
Storage Life Stable under normal conditions.  
Incompatible materials None anticipated.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **Control parameters**
- 8.1.1 **Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
1,1,1,2-tetrafluoroethane	811-97-2	-	-	-	-	NIOSH
		-	-	-	-	OSHA

NIOSH = National Institute of Occupational Safety & Health

OSHA = Occupational Safety and Health Administration

- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 **Personal protection equipment** Eye/face protection Not normally required.



Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

- 8.2.3 **Environmental Exposure Controls** Not applicable.  
Do not release large quantities into the surface water or into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Characteristic.
Odour Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	Not determined.
Initial boiling point and boiling range	-14.8°F (-26 °C)
Flash Point	Not applicable (Aerosol)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	82.67 psi (5.7 bar) @ 68°F
Density	76.16 lb/ft <sup>3</sup> (1.22 g/cm <sup>3</sup> ) @ 68°F
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	0.122 lb/ft <sup>3</sup> (1.93 g/l) @ 68°F
Partition coefficient: n-octanol/water	Not determined.
Ignition temperature	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Dynamic viscosity	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive. Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.

### 9.2 Other information

Organic solvents - Content	0.0%
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## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	None anticipated.
10.6 Hazardous Decomposition Product(s)	None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	It is not a skin sensitiser.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	None anticipated.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	None anticipated.
11.2 Other information	None.

## SECTION 12: ECOLOGICAL INFORMATION

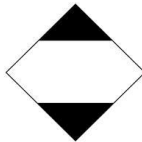
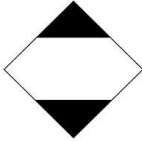


12.1 Toxicity	Low toxicity to aquatic organisms. Fish: LC50 (Rainbow trout) (96 hour) = 450mg/l Aquatic invertebrates: EC50 (Daphnia magna) (48 hour) = 980mg/l Algae: EC50 (96 hour) = 142mg/l
12.2 Persistence and degradability	Biodegradable.
12.3 Bioaccumulative potential	The substance has no potential for bioaccumulation.
12.4 Mobility in soil	Slightly soluble in: Water. The substance is predicted to have low mobility in soil.
12.5 Other adverse effects	None.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. Do NOT landfill.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses.



SECTION 14: TRANSPORT INFORMATION

<b>14.1</b>	<b>D.O.T. Classification</b> <b>UN number</b>	UN 1950
<b>14.2</b>	<b>ADR, IMDG, IATA</b> <b>UN Proper Shipping Name</b> <b>ADR</b> <b>IMDG, IATA</b>	1950 AEROSOLS AEROSOLS
<b>14.3</b>	<b>Transport hazard class(es)/ Division</b> <b>ADR</b> Class Label <b>IMDG/IATA</b> Class Label	2 2A Gases. 2 2 Gases. 2.2
<b>14.4</b>	<b>Packing Group</b> <b>ADR, IMDG, IATA</b>	None.
<b>14.5</b>	<b>Environmental hazards</b> Marine Pollutant	No.
<b>14.6</b>	<b>Special precautions for user</b> Kemler Code IMDG EMS	Warning: Gases. 20 F-D, S-U
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>14.8</b>	<b>Additional Information</b> <b>ADR</b> Limited Quantity (LQ)	1 L 
	<b>ADR Transport Category</b> <b>Tunnel Restriction Code</b> <b>IMDG</b> Limited Quantity (LQ)	3 Not applicable in Limited Quantities. 
	<b>IATA</b> Limited Quantity (LQ)	
	<b>UN Model Regulation</b> US	UN1950, AEROSOLS, 2 ORM-D when transported in limited quantities (< 30kg or 66lb gross weight). 

SECTION 15: REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1</b>	<b>OSHA</b> Toxic and hazardous substances (29 CFR 1910; Subpart Z) National emission standards for hazardous air pollutants (40 CFR 61.01)	All chemicals are not listed. All chemicals are not listed.
<b>15.1.2</b>	<b>Title III Consolidated List of Lists</b>	All chemicals are not listed.
<b>15.1.3</b>	<b>OSPAR List of Chemicals for Priority Action</b>	All chemicals are not listed.
<b>15.1.4</b>	<b>State Right to Know Lists</b>	1,1,1,2-tetrafluoroethane (CAS No.: 811-97-2): New Jersey, Pennsylvania, Minnesota, Rhode Island.
<b>15.1.5</b>	<b>TSCA (Toxic Substance Control Act)</b>	Listed: 1,1,1,2-tetrafluoroethane (CAS No.: 811-97-2)
<b>15.1.6</b>	<b>Proposition 65 (California)</b>	All chemicals are not listed.
<b>15.1.7</b>	<b>CAA 602 - Ozone Depleting Substances (ODS)</b>	All chemicals are not listed.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1, 2, 9

NFPA		HMIS	
Health	0	Health	0
Fire	0	Fire	0
Instability	1	Instability	1

**LEGEND**

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
ADR	Accord européen relative au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
OSPAR	Oslo and Paris Convention
CAA	Clean Air Act
NFPA	National Fire Protection Association
HMIS	Hazardous Material Identification System

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**Annex to the extended Safety Data Sheet (eSDS)**

No information available