

**SAFETY DATA SHEET**

SDS0077UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) &amp; 453/2010

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

<b>1.1 Product identifier</b>	
Product Name	SOLO Detector Duster
Trade Name	SOLO A7-XXX (XXX denotes customer variant).
CAS No.	811-97-2
EINECS No.	212-377-0
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Clearing of dust or other solid contaminants.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+44 (0) 1707 282760

**2. SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	
Regulation (EC) No. 1272/2008 (CLP)	Aerosol 3; Pressurised container: May burst if heated.
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard pictogram(s)	None.
Signal word(s)	Warning.
Hazard statement(s)	H229: Pressurised container: May burst if heated.
Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251: Do not pierce or burn, even after use. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	None.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

#### 3.1 Substances

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
1,1,1,2-tetrafluoroethane	80 - 100	811-97-2	212-377-0	None assigned	GHS04, Press. gas: Liquefied gas: H280

#### 3.2 Additional Information

For full text of H/P statements see section 16.

### 4. 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 with plenty of soap and water.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open.

Ingestion

Unlikely route of exposure.

#### 4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst 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.

### 6. 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.

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- 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.
- 6.4 Reference to other sections** See Also Section: 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE




- 7.1 Precautions for safe handling** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Provide adequate ventilation.
- 7.2 Conditions for safe storage, including any incompatibilities** Observe official regulations on storing packagings with pressurised containers.  
 Storage Temperature Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C.  
 Storage Life Stable under normal conditions.  
 Incompatible materials None anticipated.
- 7.3 Specific end use(s)** Clearing of dust or other solid contaminants.

### 8. 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	1000	4240	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 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) Wear suitable gloves if prolonged skin contact is likely.  
 Gloves: Nitrile rubber, NBR.
-  Respiratory protection No personal respiratory protective equipment normally required. Handling of larger amounts: In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
-  Thermal hazards Not applicable.
- 8.2.3 Environmental Exposure Controls** Do not release large quantities into the surface water or into drains.

### 9. 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	-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	5.7 bar @ 20 °C
Density	1.22 g/cm <sup>3</sup> @ 20 °C
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	1.93 g/l @ 20 °C
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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### 10. 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	Stable under normal conditions.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	None anticipated.
10.6 Hazardous Decomposition Product(s)	None known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### 11.1.1 Substances

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 sensitizer.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	None anticipated.
STOT-single exposure	None anticipated.
STOT-repeated exposure	None anticipated.
Aspiration hazard	Not classified.

#### 11.2 Other information

None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	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
<b>12.2 Persistence and degradability</b>	Biodegradable.
<b>12.3 Bioaccumulative potential</b>	The substance has no potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	Slightly soluble in: Water. The substance is predicted to have low mobility in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	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.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses. Waste code (Europe): 20 01 99, 07 01 04, 15 01 04

### 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN number</b> <b>ADR, IMDG, IATA</b>	UN 1950
<b>14.2 UN Proper Shipping Name</b> <b>ADR</b> <b>IMDG, IATA</b>	1950 AEROSOLS AEROSOLS
<b>14.3 Transport hazard class(es)/ Division</b> <b>ADR</b> Class Label  <b>IMDG</b> Class Label  <b>IATA</b> Class Label	 2 2A Gases 2  2 Gases 2.2  2 Gases 2.2
<b>14.4 Packing Group</b> <b>ADR, IMDG, IATA</b>	None.
<b>14.5 Environmental hazards</b> Marine Pollutant	No.
<b>14.6 Special precautions for user</b> Kemler Code IMDG EMS	Warning: Gases. 20 F-D, S-U
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

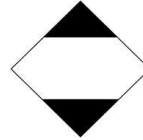
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### 14.8 Additional Information

#### ADR

Limited Quantity (LQ)

1 L



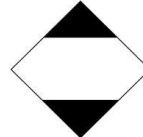
ADR Transport Category  
Tunnel Restriction Code

3

Not applicable in Limited Quantities.

#### IMDG

Limited Quantity (LQ)



#### IATA

Limited Quantity (LQ)



UN "Model Regulation"

UN 1950, AEROSOLS, 2

## 15. SECTION 15: REGULATORY INFORMATION

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

#### 15.1.1 EU regulations

Authorisations and/or restrictions on use

Candidate List of Substances of Very High Concern for Authorisation Not listed.

REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of

certain dangerous substances, mixtures and articles Not listed.

REACH: ANNEX XIV List of substances subject to authorisation Not listed.

Community Rolling Action Plan (CoRAP); Draft 04/11/2013 Not listed.

#### 15.1.2 National regulations

None known.

Wassergefährdungsklasse (Germany) WGK class 1

VOC-CH 0.00%

VOC-EU 1220.0g/l

Danish MAL Code 00-1

### 15.2 Chemical Safety Assessment

Not available.

**16. SECTION 16: OTHER INFORMATION**

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

**LEGEND**

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
WGK	Wassergefährdungsklasse (Germany)
VOC	Volatile Organic Compounds
MAL Code	Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
ADR	Accord européen relatif 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
Press. gas	Gases under pressure
Aerosol 3	Aerosol Category 3
<b>Hazard Statement(s)</b>	
H229	Pressurised container: May burst if heated.

**Disclaimers**

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

No information available.