

Solo Smoke Detector Tester

**SAFETY DATA SHEET**  
SDS0096CA-EN

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

**1.1 Product identifier**

Product Name Solo Smoke Detector Tester.  
Trade Name Solo A10 –XXX (XXX denotes customer variant).  
CAS No. Mixture.  
EINECS No. Mixture.  
REACH Registration No. None assigned.

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

Identified Use(s) Smoke simulation.  
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, USA  
Telephone (732) 751 9266  
Fax (732) 751 9241  
E-mail sales@sdifire.com

**1.4 Emergency telephone number**

Emergency Phone No. 1-800-535-5053

**1.5 Address of Manufacturer**

Telephone Detectortesters (No Climb Products Ltd), Edison House, 163 Dixons Hill Road,  
Fax Welham Green, Hertfordshire. AL9 7JE. United Kingdom  
E-mail +44 (0) 1707 282760  
[+44 \(0\) 1707 282777](mailto:SDS@detectortesters.com)  
[SDS@detectortesters.com](mailto:SDS@detectortesters.com)

**2. SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

WHMIS Classification Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated.

**2.2 Label elements**

Hazard Pictogram(s)



GHS04

GHS07

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: Pressurised container - Do not pierce or burn, even after use.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**2.3 Additional Information**

9.1% by mass of the contents are flammable:  
Keep out of reach of children.

**2.4 Other hazards**

High concentrations: May cause drowsiness and dizziness.

## Solo Smoke Detector Tester

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

Product as supplied: Aerosol.

#### 3.1 Mixtures

Hazardous Ingredient(s)	%W/W	CAS No.
(1E)-1,3,3,3-Tetrafluoro-1-propene	85-95	29118-24-9
Ethanol	1-10	64-17-5
Propane-1,2-diol	<0.5	57-55-6
Polyethylene glycol 200	<0.5	25322-68-3
Glycerol	<0.1	56-81-5

#### 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. If symptoms persist, obtain medical attention.

Skin Contact

Wash skin with soap and water.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If eye irritation persists, get medical advice/attention.

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: FIREFIGHTING 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

None known.

#### 5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting. May decompose in a fire giving off toxic fumes. Hydrogen fluoride.

#### 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. Avoid inhalation of high concentrations of vapours.

#### 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. Containers must not be punctured or destroyed by burning, even when empty.

#### 6.4 Reference to other sections

See Also Section: 8, 13.

## Solo Smoke Detector Tester

### 7. SECTION 7: HANDLING AND STORAGE

- |     |  |   |
|-----|--|---|
| 7.1 | <b>Precautions for safe handling</b>   | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. |
| 7.2 | <b>Conditions for safe storage, including any incompatibilities</b><br>Storage temperature<br>Storage life<br>Incompatible materials | Ambient. Protect from sunlight. Do not expose to temperatures exceeding 50°C.<br>Stable under normal conditions.<br>None known.       |
| 7.3 | <b>Specific end use(s)</b>   | Smoke simulation.   |




### 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
Ethanol	64-17-5	-	-	1000	-	Canada (Ontario)
			1900	1000	1880	Canada (Quebec)
Glycerol	56-81-5	-	-	10	-	Canada (Quebec)
Propane-1,2-Diol	57-55-6	10 (Aerosol only) 50 (Aerosol in work)	155 (Aerosol in work)	-	-	Canada (Ontario)
(1E)-1,3,3,3-Tetrafluoro-1-propene	29118-24-9	800	-	-	-	WEEL. US

Source:

- CCOHS** = Canadian Centre for Occupational Health and Safety
- Règlement 833 ( Canada, Ontario)
  - Règlement sur la santé et la sécurité du travail (Canada, Québec)

- |       |   |   |
|-------|---|---|
| 8.1.2 | <b>Biological limit value</b>   | Not established.  |
| 8.1.3 | <b>PNECs and DNELs</b>  | Not established.  |
| 8.2   | <b>Exposure controls</b>  |   |
| 8.2.1 | <b>Appropriate engineering controls</b>   | Provide adequate ventilation.   |
| 8.2.2 | <b>Personal protection equipment</b>  |   |
|       | Eye/ face protection  | If eye contact is likely: Wear protective eyewear (goggles, face shield, or safety glasses).  |
|       |  |   |
|       | 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. |
|       |  |   |
|       | Thermal hazards   | Not applicable.   |
| 8.2.3 | <b>Environmental Exposure Controls</b>  | Avoid release to the environment.   |

## Solo Smoke Detector Tester

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour.	Colourless.
Odour	Characteristic.
Odour Threshold (ppm)	Not determined.
pH (Value)	Not determined.
Melting Point (°C) / Freezing Point (°C)	Not determined.
Initial boiling point and boiling range	-2.2°F (-19°C)
Flash Point (°C)	>131°F (55°C)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable; Tested to CFR 1910.1200 Appendix B – B.3
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	4192hPa @ 68°F
Vapour density	Not determined.
Relative density	Not determined.
Density	67.42lb/ft <sup>3</sup>
Solubility(ies)	Immiscible or partly miscible with water.
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Point (°C)	Product is not selfigniting.
Ignition temperature	694.4°F (368°C)
Decomposition Temperature (°C)	Not determined.
Dynamic viscosity	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

#### 9.2 Other information

Organic solvents - Content	9.9%
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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	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)	No hazardous decomposition products known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### 11.1.1 Mixtures

Acute toxicity	Low acute toxicity.
Irritation	Non-irritant.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Reproductive toxicity	None anticipated.

#### 11.2 Other information

None.

## Solo Smoke Detector Tester

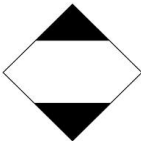
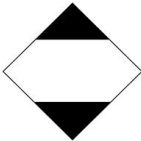
### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Low toxicity to aquatic organisms.
12.2	<b>Persistence and degradability</b>	No information available.
12.3	<b>Bioaccumulative potential</b>	No information available
12.4	<b>Mobility in soil</b>	No information available.
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>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.
13.2	<b>Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

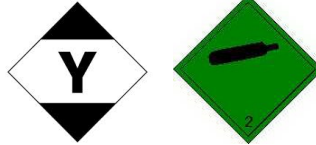
14.1	<b>UN number</b> <b>ADR, IMDG, IATA</b>	UN 1950.
14.2	<b>UN proper shipping name</b> <b>ADR</b> <b>IMDG</b> <b>IATA</b>	1950 AEROSOLS AEROSOLS AEROSOLS, Non-flammable.
14.3	<b>Transport hazard class(es)</b> <b>ADR</b> Class / Classification Label <b>IMDG, IATA</b> Class / Division Label	2 5A Gases. 2.2 2.2 2.2
14.4	<b>Packing group</b> <b>ADR, IMDG, IATA</b>	None.
14.5	<b>Environmental hazards</b> Marine Pollutant	None.
14.6	<b>Special precautions for user</b> Kemler Code IMDG EMS	Warning: Gases - F-D, S-U
14.7	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
14.8	<b>Additional Information</b> <b>ADR</b> Limited Quantity (LQ)	1L
		
	ADR Transport Category Tunnel Restriction Code	3 Not applicable in Limited Quantities.
	<b>IMDG</b> Limited Quantity (LQ)	1I
		

## Solo Smoke Detector Tester

### IATA

Limited Quantity (LQ)

1L



U

UN Model Regulation  
US

### AEROSOLS

ORM-D when transported in limited quantities (< 30kg or 66lb gross weight).

## 15. SECTION 15: REGULATORY INFORMATION

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

15.1.1	Domestic Substances List (DSL)	All chemicals listed
	Export Control List	All chemicals are not listed
	Priority Substances List (PSL)	All chemicals are not listed
	Toxic Substances List	All chemicals are not listed
	National Pollutant Release Inventory (NPRI) Substance List	Listed: Ethanol (CAS No.: 64-17-5) for over 10% content

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 8.1.

### 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
VOC	Volatile Organic Compounds
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
Aerosol 3	Aerosol Category 3
Flam. Liq. 2	Flammable Liquid Category 2

### Hazard Statement(s)

H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H335	May cause respiratory irritation.

### Disclaimers

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

No information available.