




Specialized Fire Products

**Solo Smoke Detector Tester**  
**SAFETY DATA SHEET**  
**SDS0066US-EN**  
 ACCORDING TO US CFR 1910.1200

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

<b>1.1 Product identifier</b>	Product Name Trade Name CAS No. EINECS No.	Solo Smoke Detector Tester. Solo A4 - XXX (XXX denotes customer variant). Mixture. Mixture.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified Use(s) Uses Advised Against	Smoke simulation. None known.
<b>1.3 Details of the supplier of the safety data sheet</b>		
<b>1.3.1 Distributor</b>		
Company Identification Telephone Fax E-mail	SDi, LLC, 3535 Stat Highway 66, Parkway 100 Building 6, Neptune NJ07753, USA (732) 751 9266 (732) 751 9241 sales@sdifire.com	
<b>1.4 Emergency telephone number</b>	Info Trac	1-800-535-5053
<b>1.5 Address of Manufacturer</b>	Detector testers (No Climb Products Ltd) Edison House 163 Dixons Hill Road Welham Green Hertfordshire AL9 7JE. United Kingdom +44 (0) 1707 282760 +44 (0) 1707 282777 <a href="mailto:SDS@detector testers.com">SDS@detector testers.com</a>	
Telephone Fax E-mail		

**SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	US CFR 1910.1200	Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated. Causes serious eye irritation.
<b>2.2 Label elements</b>	Product Name Hazard Pictogram(s)	Solo Smoke Detector Tester 
Signal Word(s) Hazard Statement(s) Precautionary Statement(s)	GHS04      GHS07 Warning. H280: Contains gas under pressure; may explode if heated. H319: Causes serious eye irritation. 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. P264: Wash hands and exposed skin thoroughly after handling. P410+P403: Protect from sunlight. Store in a well-ventilated place. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
<b>2.3 Additional Information</b>	14.5 % by mass of the contents are flammable. Do not pierce or burn, even after use. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Keep out of reach of children. Keep away from combustible material. Keep away from sources of ignition - No smoking.	
<b>2.4 Other hazards</b>	High concentrations: May cause drowsiness and dizziness.	

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

Product as supplied: Aerosol.

**3.1 Mixtures**

Hazardous Ingredient(s)	CAS No.	%W/W
1,1,1,2-tetrafluoroethane	811-97-2	50-100
Propan-2-ol	67-63-0	10-25

**3.2 Additional Information**

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



## Solo Smoke Detector Tester

## 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 develop, obtain medical attention.

Skin Contact

Wash skin with soap and water.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.

## 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.

## 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. Avoid inhalation of high concentrations of vapours. Wear suitable gloves and eye / face protection.

## 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.

## 6.4 Reference to other sections

See Also Section: 8, 13.

## 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. Do not spray on an open flame or other ignition source. Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid contact with eyes. Avoid prolonged skin contact. Wear suitable gloves if prolonged skin contact is likely. See Section: 8. Do not eat, drink or smoke during work. Wash hands thoroughly after handling.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Ambient.

Protect from sunlight and do not expose to temperatures exceeding 122 °F.

Stable under normal conditions.

Storage life

Incompatible materials

None known.

## 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	-	-	-	-	Not established
Propan-2-ol	67-63-0	400	980	500	1225	NIOSH
		400	980	-	-	PEL (OSHA)

Source:

NIOSH = National Institute of Occupational Safety &amp; Health

OSHA = Occupational Safety and Health Administration

## 8.2 Exposure controls

## 8.2.1 Appropriate engineering controls

Provide adequate ventilation.



## Solo Smoke Detector Tester

### 8.2.2 Personal protection equipment

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. A suitable mask with filter type A (EN141 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.

## 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 / Freezing Point	Not determined.
Initial boiling point and boiling range	-14.8°F (-26°C).
Flash Point	55.4°F (13°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	Explosive Limit Ranges: 2.0-12.0 Vol-%
Vapour pressure	60.7 psig (5.2 bar) @ 68°F
Density	70.67 lb/ft <sup>3</sup> (1.132 g/cm <sup>3</sup> ) @ 68°F
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Immiscible with water.
Partition Coefficient (n-Octanol/water)	Not determined.
Ignition temperature	797°F (425°C)
Auto Ignition Point (°C)	Product is not selfigniting.
Decomposition Temperature (°C)	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

Organic solvents - Content 14.8%

## 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.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.1 Mixtures

Acute toxicity	Low acute toxicity.
Irritation	Causes serious eye irritation.
Corrosivity	Not classified.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
Aspiration hazard	None anticipated.
Other information	None.



### Solo Smoke Detector Tester

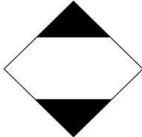
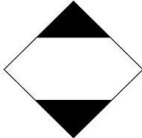


#### SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Low toxicity to aquatic organisms.
12.2	<b>Persistence and degradability</b>	The product is readily biodegradable. Unlikely to persist.
12.3	<b>Bioaccumulative potential</b>	The product has moderate potential for bioaccumulation.
12.4	<b>Mobility in soil</b>	Immiscible with water. The product is predicted to have low mobility in soil.
12.5	<b>Other adverse effects</b>	None.

#### 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.

#### SECTION 14: TRANSPORT INFORMATION

14.1	<b>UN number</b> ADR, IMDG, IATA	UN 1950.
14.2	<b>UN proper shipping name</b> ADR IMDG IATA	1950 AEROSOLS AEROSOLS AEROSOLS, Non-flammable.
14.3	<b>Transport hazard class(es)</b> ADR Class / Classification Label IMDG, IATA, TDG Class / Division Label	2 5A Gases. 2.2 2.2 2.2
14.4	<b>Packing group</b> ADR, IMDG, IATA	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> ADR Limited Quantity (LQ)	1L 
	ADR Transport Category Tunnel Restriction Code IMDG Limited Quantity (LQ)	3 Not applicable in Limited Quantities. 1L 
	ATA Limited Quantity (LQ)	1L  
	UN Model Regulation US	UN 1950, AEROSOLS ORM-D when transported in limited quantities (< 30kg or 66lb gross weight).



# Solo Smoke Detector Tester

## SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 OSHA**  
Toxic and hazardous substances (29 CFR 1910; Subpart Z) All chemicals are not listed.  
National emission standards for hazardous air pollutants (40 CFR 61.01) All chemicals are not listed.
- 15.1.2 Title III Consolidated List of Lists**  
Propan-2-ol (CAS No.: 67-63-0) Sec 313: 313
- 15.1.3 OSPAR List of Chemicals for Priority Action** All chemicals are not listed.
- 15.1.4 State Right to Know Lists**  
1,1,1,2-tetrafluoroethane (CAS No.: 811-97-2):  
New Jersey, Pennsylvania, Massachusetts, Rhode Island.  
Propan-2-ol (CAS No.: 67-63-0)  
New Jersey, Pennsylvania, Massachusetts, California, Minnesota.  
All chemicals listed.
- 15.1.5 TSCA (Toxic Substance Control Act)** All chemicals are not listed.
- 15.1.6 Proposition 65 (California)** All chemicals are not listed.
- 15.1.7 CAA 602 - Ozone Depleting Substances (ODS)** All chemicals are not listed.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1.

NFPA		HMIS	
Health	1	Health	1
Fire	0	Flammability	0
Instability	1	Physical hazards	1

### LEGEND

- LTEL Long Term Exposure Limit
- STEL Short Term Exposure Limit
- CAA Clean Air Act
- NIOSH National Institute of Occupational Safety & Health
- PEL Permissible Exposure Limits
- 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
- OSHA Occupational Safety and Health Administration
- OSPAR Oslo and Paris Convention
- NFPA National Fire Protection Association
- TDG Transportation of Dangerous Goods

### Disclaimers

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

No information available.