

# Solo Smoke Detector Tester



## SAFETY DATA SHEET

SDS0066US  
ACCORDING TO US CFR 1910.1200

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

<b>1.1 Product identifier</b>	Product Name	Solo Smoke Detector Tester.
	Trade Name	Solo A4 - XXX (XXX denotes customer variant).
	CAS No.	Mixture.
	EINECS No.	Mixture.
<b>1.2 Recommended use of the chemical and restrictions on use</b>	Identified Use(s)	Smoke simulation.
	Uses Advised Against	None known.
<b>1.3 Details of the supplier of the safety data sheet</b>		
<b>1.3.1 Distributor</b>	Company Identification	SDi 1345 Campus Parkway, Suite A18 Wall Township, NJ 07753 6815 (732) 751 9266 (732) 751 9241 sales@sdfire.com
	Telephone	
	Fax	
	E-mail	
<b>1.4 Emergency telephone number</b>	Info Trac	1-800-535-5053

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 US CFR 1910.1200</b>	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	Solo Smoke Detector Tester.
Hazard Pictogram(s)	 
Signal Word(s)	GHS04      GHS07 Warning.
Hazard Statement(s)	H280: Contains gas under pressure; may explode if heated. H319: Causes serious eye irritation.
Precautionary Statement(s)	P264: Wash hands thoroughly after handling. P337+P313: If eye irritation persists: Get medical advice/attention. 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.

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Additional Information	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 122°F (50°C). Keep out of the reach of children. Keep away from combustible material. Keep away from sources of ignition - No smoking.
<b>2.3 Other hazards</b>	High concentrations: May cause drowsiness and dizziness.
<b>2.4 Additional Information</b>	None.

### 3. 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

None.

### 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 with plenty of 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.

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

Pressurized container: May burst if heated.

#### 5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.

Unsuitable Extinguishing Media

None known.



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- 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. Avoid inhalation of high concentrations of vapors. 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.

### 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. Do not spray on an open flame or other ignition source. Provide adequate ventilation. Avoid inhalation of high concentrations of vapors. 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** Protect from sunlight. Store in a well-ventilated place.
- Storage temperature: Ambient.
- Storage life: Protect from sunlight and do not expose to temperatures exceeding 122 °F (50 °C).
- Incompatible materials: Stable under normal conditions.
- None anticipated.

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

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Source:

NIOSH = National Institute of Occupational Safety & Health

OSHA = Occupational Safety and Health Administration

<b>8.2</b>	<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>8.3</b>	<b>Individual protection measures, such as personal protective equipment (PPE)</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.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Aerosol.
	Color	Colorless.
	Odor	Characteristic.
	Odor 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	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-%
	Vapor 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
	Vapor 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 temperature	Product is not selfigniting.
	Decomposition Temperature	Not determined.
	Kinematic Viscosity	Not determined.
	Explosive properties	Contains gas under pressure; may explode if heated.
	Oxidizing properties	Not oxidizing.
<b>9.2</b>	<b>Other information</b>	
	Organic solvents - Content	14.8%



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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	
	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.
11.2	Other information	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is readily biodegradable. Unlikely to persist.
12.3	Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4	Mobility in soil	Immiscible with water. The product is predicted to have low mobility in soil.
12.5	Other adverse effects	None.

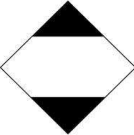
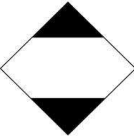


### 13. SECTION 13: DISPOSAL CONSIDERATIONS

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.

### 14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	
	ADR, IMDG, IATA, TDG	UN 1950
14.2	UN Proper Shipping Name	
	ADR	1950 AEROSOLS
	IMDG, TDG	AEROSOLS
	IATA	AEROSOLS, Non-flammable
14.3	Transport hazard class(es)	
	ADR	
	Class / Classification	2 5A Gases.
	Label	2.2

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<b>IMDG, IATA, TDG</b>	
Class / Division	2.2
Label	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>	Warning: Gases.
Kemler Code	-
IMDG EMS	F-D, S-U
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>14.8 Additional Information</b>	
<b>ADR</b>	
Limited Quantity (LQ)	1 L
	
ADR Transport Category	3
Tunnel Restriction Code	Not applicable in Limited Quantities.
<b>IMDG, TDG</b>	
Limited Quantity (LQ)	1L
	
<b>IATA, TDG</b>	
Limited Quantity (LQ)	1L
	 
UN Model Regulation	UN 1950, AEROSOLS, 2.2
US	ORM-D when transported in limited quantities (< 30kg or 66lb gross weight).

### 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 OSHA</b>	
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.
<b>15.1.2 Title III Consolidated List of Lists</b>	Listed: Propan-2-ol (CAS No.: 67-63-0)
Sec 313	313



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- 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.
- 15.1.5 TSCA (Toxic Substance Control Act)** All chemicals 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.

### 16. SECTION 16: OTHER INFORMATION

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

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
NIOSH	National Institute of Occupational Safety & Health
PEL	Permissible Exposure Limits
CAA	Clean Air Act
OSHA	Occupational Safety and Health Administration
OSPAR	Oslo and Paris Convention
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
TDG	Transportation of Dangerous Goods

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