



## Solo Smoke Detector Tester SAFETY DATA SHEET

SDS0086UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 2015/830

### 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 A5-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	Detector testers (No Climb Products Ltd)
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### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated.
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#### 2.2 Label elements

Hazard Pictogram(s)	According to Regulation (EC) No. 1272/2008 (CLP)
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GHS02

Signal Word(s)	Danger.
Hazard Statement(s)	H222: Extremely flammable aerosol. 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. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

#### 2.3 Other hazards

None.

## Solo Smoke Detector Tester

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

Product as supplied: Aerosol.

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
Butane	50 - 100	106-97-8	203-448-7	01-2119474691-32	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Propane	10 - 25	74-98-6	200-827-9	01-2119486944-21	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Ethanol	0 - 5	64-17-5	200-578-6	None assigned	GHS02, Flam. Liq. 2; H225

#### 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 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.

#### 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.

## Solo Smoke Detector Tester

### 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.

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| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Wear suitable gloves and eye/face protection.   |
| <b>6.2 Environmental precautions</b>   | Do not release large quantities into the surface water or into drains.   |
| <b>6.3 Methods and material for containment and cleaning up</b>                | 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. |
| <b>6.4 Reference to other sections</b>   | See Also Section: 8, 13.   |

### 7. SECTION 7: HANDLING AND STORAGE

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|---|---|
| <b>7.1 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. Do not spray on a naked flame or any incandescent material. Provide adequate ventilation. Do not eat, drink or smoke during work. Wash hands thoroughly after handling. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Observe official regulations on storing packagings with pressurised containers.   |
| Storage Temperature   | Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.   |
| Storage Life  | Stable under normal conditions.   |
| Incompatible materials  | None anticipated.   |
| <b>7.3 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
Butane	106-97-8	600	1450	750	1810	WEL
Ethanol	64-17-5	1000	1920	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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



## Solo Smoke Detector Tester

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	-44 °C
Flash Point	<0 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Extremely flammable.
Upper/lower flammability or explosive limits	Explosive Limit Ranges: 1.5 – 10.9 Vol-%
Vapour pressure	3.8 bar @ 20 °C
Density	0.58 g/cm <sup>3</sup> @ 20 °C
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Immiscible with water.
Partition coefficient: n-octanol/water	Not determined.
Ignition temperature	365 °C
Auto-ignition temperature	Product is not selfigniting.
Decomposition Temperature	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

Organic solvents – Content	98.9%
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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.

## Solo Smoke Detector Tester

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

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

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>	Low toxicity to aquatic organisms.
<b>12.2</b>	<b>Persistence and degradability</b>	The product is readily biodegradable. Unlikely to persist.
<b>12.3</b>	<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>12.4</b>	<b>Mobility in soil</b>	Immiscible with water. The product is predicted to have low mobility in soil.
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6</b>	<b>Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

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

### 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1</b>	<b>UN number</b>	
	<b>ADR, IMDG, IATA</b>	UN 1950
<b>14.2</b>	<b>UN Proper Shipping Name</b>	
	<b>ADR</b>	1950 AEROSOLS
	<b>IMDG</b>	AEROSOLS
	<b>IATA</b>	AEROSOLS, Flammable
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	<b>ADR</b>	
	Class / Classification	2 5F Gases.
	Label	2.1
	<b>IMDG, IATA</b>	
	Class / Division	2.1
	Label	2.1
<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>	Warning: Gases.
	Kemler Code	-
	IMDG EMS	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.

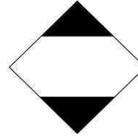
## Solo Smoke Detector Tester

### 14.8 Additional Information

#### ADR

Limited Quantity (LQ)

1 L



ADR Transport Category  
Tunnel Restriction Code

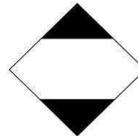
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Not applicable in Limited Quantities.

#### IMDG

Limited Quantity (LQ)

1L



#### IATA

Limited Quantity (LQ)

1L



UN Model Regulation

UN 1950, AEROSOLS, 2.1

## 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 All chemicals are not listed.

REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles All chemicals are not listed.

REACH: ANNEX XIV list of substances subject to authorisation All chemicals are not listed.

Community Rolling Action Plan (CoRAP) All chemicals are not listed.

#### 15.1.2 National regulations

Wassergefährdungsklasse (Germany) None known.

Ethanol

Technical Instructions (air)

WGK class 1

Class	Share in %
NK	50 – 100

VOC-CH 98.93%

VOC-EU 569.8g/l

Danish MAL Code 3-1

### 15.2 Chemical Safety Assessment

Not available.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 10, 11.

#### 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 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
Press. Gas	Gases under pressure
Flam. Gas 1	Flammable gas Category 1

#### Hazard Statement(s)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.

#### Disclaimers

The information is based on the best knowledge of No Climb Products Ltd. and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for purposes other than it is intended.

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

No information available.



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