

Solo Smoke Detector Tester

SAFETY DATA SHEET

SDS0086UK

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) No. 1907/2006 AS AMENDED

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. |
| UFI | S5DP-5214-600G-G451 |

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 Only representative of a non-Community manufacturer

| | |
|---------------------------|---|
| Company Identification | Shift-Consult Hubert Scherzinger, 79108 Freiburg, Germany |
| Telephone | +49 7665 81 21 74 |
| Manufacturer | |
| 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 (competent person) | SDS@detectortesters.com |

1.4 Emergency telephone number

| | |
|--|----------------------|
| Emergency Phone No. | +44 (0) 1707 282760, |
| Mon-Thur (8:30-17:00) Fri (8:30-15:00) | |

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. |
|--|--|

2.2 Label elements

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



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: 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 Other hazards

None.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.2 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) |
|-------------------------|--------|----------|-----------|------------------------|--|
| 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 | 01-2119457610-43 | GHS02, Flam. Liq. 2; H225; Eye Irrit. 2, H319 |

3.3 Additional Information

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

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 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.

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 | 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.

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 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.
Absorb spillage in earth or sand. 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 and 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. Provide adequate ventilation. Do not eat, drink or smoke during work. Wash hands thoroughly after handling.

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- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage temperature
 Storage life
 Incompatible materials
- 7.3 Specific end use(s)**
- Observe official regulations on storing packagings with pressurised containers.
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 deg C.
 Considered stable under normal conditions.
 None anticipated.
 Smoke simulation

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/m³) | STEL (ppm) | STEL (mg/m³) | Note |
|------------|----------|---------------------|-----------------------|------------|--------------|------|
| Butane | 106-97-8 | 600 | 1450 | 750 | 1810 | WEL |
| Ethanol | 64-17-5 | 1000 | 1920 | - | - | 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

Provide adequate ventilation.

8.2.1 Appropriate engineering controls

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.

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.

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. |
| Boiling point/boiling range (°C): | -44 °C |
| Flash Point (°C) | Not applicable |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Extremely flammable. |
| Upper/lower flammability or explosive limits | Explosive Limit Ranges Explosive Limit Ranges: 1.5-10.9 Vol-% |
| Vapour pressure | 3.8 bar @20 °C |
| Density | 0.58 g/cm³ @20 °C |

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| | |
|---|-----------------------------|
| 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 Point (°C) | Product is not selfigniting |
| Decomposition Temperature (°C) | Not determined. |
| Kinematic Viscosity/Viscosity (mPa. s) | Not determined. |
| Explosive properties | Not explosive. |
| Oxidising properties | Not oxidising. |
| 9.2 Other information | |
| Organic solvents - Content | 98.9% |

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. |

SECTION 11: TOXICOLOGICAL INFORMATION

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

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 Results of PBT and vPvB assessment | Not classified as PBT or vPvB. |
| 12.6 Other adverse effects | None. |





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. EAL 7055 Aerosol spray can |

SECTION 14: TRANSPORT INFORMATION

| | |
|---|---------------|
| 14.1 UN number | UN 1950 |
| ADR Classification Code/IMDG, IATA Label | |
| 14.2 UN proper shipping name | |
| ADR Group | 1950 AEROSOLS |

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| | | |
|-------------|---|---|
| | IMDG | AEROSOLS |
| | IATA Label | AEROSOLS, Flammable |
| 14.3 | Transport hazard class(es) | |
| | ADR Group | |
| | Class /Classification | 2 5F Gases |
| | Label/ADR-RID Labels | 2.1 |
| | IMDG, IATA Label | |
| | Class / Division | 2.1 |
| | Label | 2.1 |
| | Hazard label(s) | |
| 14.4 | Packing group | |
| | ADR Classification Code/IMDG, IATA Label | None. |
| 14.5 | Environmental hazards | No. |
| | Marine Pollutant | |
| 14.6 | Special precautions for user | Warning: Gases |
| | Kemler Code | - |
| | IMDG EMS | F-D, S-U |
| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| 14.8 | Additional Information | |
| | ADR Classification Code | |
| | Limited Quantity (LQ) | 1L |
| | |  |
| | ADR Transport Category | |
| | Tunnel Restriction Code | |
| | | 2 |
| | | Not applicable in Limited Quantities. |
| | IMDG | |
| | Limited Quantity (LQ) | 1L |
| | |  |
| | IATA Label | |
| | Limited Quantity (LQ) | 1L |
| | |   |
| | UN Model Regulation | UN1950 , AEROSOLS, 2.1 |

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

All chemicals are not listed

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)

None known.

15.1.2 National regulations

Solo Smoke Detector Tester

Wassergefährdungsklasse (Germany)
 Ethanol
 Technical Instructions (air)

VOC-CH
 VOC-EU
 Danish MAL Code

15.2 Chemical Safety Assessment

WGK class 1

| Class | Share in % |
|-------|------------|
| NK | 50 – 100 |

98.93%

569.8g/l

3-1

Not available.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: header.

LEGEND

| | |
|-------------|--|
| LTEL | Long Term Exposure Limit |
| STEL | Short Term Exposure Limit |
| STOT | Specific Target Organ Toxicity |
| 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 dangereuse 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. 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. |
| H319 | Causes serious eye irritation. |

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Annex to the extended Safety Data Sheet (eSDS)

No information available.