

Solo Smoke Detector Tester

SAFETY DATA SHEET

SDS0098UK

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

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, Solo A10 ^s -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 | 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 |
|---------------------|---------------------|

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

Aerosol 3; Pressurised container: May burst if heated.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram(s)



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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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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) |
|------------------------------------|-------|------------|-----------|------------------------|---|
| (1E)-1,3,3,3-Tetrafluoro-1-propene | 85-95 | 29118-24-9 | 212-377-0 | None assigned. | GHS04, Press. Gas: H280 |
| Ethanol | 1-10 | 67-63-0 | 200-661-7 | None assigned | GHS02, Flam. Liq. 2; H225, |

3.2 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. 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.

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.

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.

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Ambient. Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Storage life

Stable under normal conditions.

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|-----|--|----------------------------------|
| 7.3 | Incompatible materials Specific end use(s) | None known. 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/m ³) | STEL (ppm) | STEL (mg/m ³) | Note |
|------------------|---------|---------------------|------------------------------------|------------|---------------------------|---|
| Ethanol | 64-17-5 | 1000 | 1920 | - | - | WEL: Workplace Exposure Limit (UK HSE EH40) |
| Propane-1,2-diol | 57-55-6 | | 10 | - | - | 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

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

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 (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

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 rangeBoiling Point (°C) | -19°C. |
| Flash Point (°C) | >55°C. |
| Evaporation rate | Not applicable. |
| Flammability (solid, gas) | Non-flammable; tested to 2008/47/EC Annex 1.9.1(iii) |
| Upper/lower flammability or explosive limits | Not determined. |
| Vapour pressure | 4192hPa @ 20°C |
| Vapour density | Not determined. |
| Relative density | Not determined. |
| Density | 1.08g/cm ³ |
| 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 | 368°C |
| Decomposition Temperature (°C) | Not determined. |
| Dynamic viscosity | Not determined. |
| Kinematic Viscosity | Not determined. |

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|------------------------------|--|
| Explosive properties | Not explosive. Pressurised container: May burst if heated. |
| Oxidising properties | Not oxidising. |
| 9.2 Other information | |
| Organic solvents - Content | 9.9% |

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 | |
| 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. |

SECTION 12: ECOLOGICAL INFORMATION

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

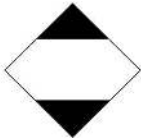
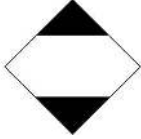


SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|-------------------------------------|---|
| 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. |

SECTION 14: TRANSPORT INFORMATION

| | |
|--|--------------------------|
| 14.1 UN number | |
| ADR, IMDG, IATA | UN 1950. |
| 14.2 UN proper shipping name | |
| ADR | 1950 AEROSOLS |
| IMDG | AEROSOLS |
| IATA | AEROSOLS, Non-flammable. |
| 14.3 Transport hazard class(es) | |
| ADR | |
| Class / Classification | 2 5A Gases. |
| Label | 2.2 |
| IMDG, IATA | |
| Class / Division | 2.2 |
| Label | 2.2 |
| 14.4 Packing group | |
| ADR, IMDG, IATA | None. |

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| 14.5 Environmental hazards | Marine Pollutant | None. |
| 14.6 Special precautions for user | Kemler Code | Warning: Gases |
| | IMDG EMS | - |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | | F-D, S-U |
| 14.8 Additional Information | | Not applicable. |
| ADR | Limited Quantity (LQ) | 1L |
| | |  |
| ADR Transport Category | | 3 |
| Tunnel Restriction Code | | Not applicable in Limited Quantities. |
| IMDG | Limited Quantity (LQ) | 1L |
| | |  |
| IATA | Limited Quantity (LQ) | 1L |
| | |   |
| UN Model Regulation | | UN 1950, AEROSOLS |

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 | Not listed. |
| Candidate List of Substances of Very High Concern for Authorisation | Not listed. |
| REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles | Not listed. |
| REACH: ANNEX XIV list of substances subject to authorisation | Not listed. |
| Community Rolling Action Plan (CoRAP) | None known. |
| 15.1.2 National regulations | |
| Technical Instructions (air) | |
| VOC-CH | 9.49% |
| VOC-EU | 102.5g/l |
| Danish MAL Code | 0-1 |
| 15.2 Chemical Safety Assessment | Not available. |

| Class | Share in % |
|-------|------------|
| NK | 5 - <10 |

SECTION 16: OTHER INFORMATION

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

LEGEND

| | |
|------|---------------------------|
| LTEL | Long Term Exposure Limit |
| STEL | Short Term Exposure Limit |
| DNEL | Derived No Effect Level |

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|--------------|---|
| PNEC | Predicted No Effect Concentration |
| PBT | Persistent, Bioaccumulative and Toxic |
| vPvB | very Persistent and very Bioaccumulative |
| VOC | Volatile Organic Compounds |
| MAL Code | Regulation for the labeling concerning inhalation hazards, Denmark |
| 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.