


SDS0086UK

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 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	Detectors (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 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)
	
Signal Word(s)	GHS02
Hazard Statement(s)	Danger.
	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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Substances

EC Classification No. 1272/2008

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LEL (8 hr TWA ppm)	LEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	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/cm ³ @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 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%
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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
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	
Marine Pollutant	No.
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	2
Tunnel Restriction Code	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	
Wassergefährdungsklasse (Germany)	WGK class 1
Ethanol	
Technical Instructions (air)	
VOC-CH	98.93%
VOC-EU	569.8g/l
Danish MAL Code	3-1
15.2 Chemical Safety Assessment	Not available.

Class	Share in %
NK	50 – 100

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3, 9.

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.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.