Solo Smoke Detector Tester

SAFETY DATA SHEET

SDS0098AU-F

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	FlameStop Australia, 13 Chaplin Street, Lane Cove West, NSW, 2066.
Telephone	02 9932 2020
Fax	02 9932 2022
E-Mail (competent person)	sales@flamestop.com.au

1.4 Emergency telephone number

Emergency Phone No.	0425 342 729

1.5 Details of the 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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to GHS 7th revised edition — Aerosol category 3; Pressurised container: May burst if heated.

2.2 Label elements — According to GHS 7th revised edition.

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

Product as supplied: Aerosol.

3.2 Mixtures

According to GHS 7th revised edition.

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	471-480-0	None assigned.	GHS04, Press. Gas: H280
Ethanol	1-10	64-17-5	200-578-6	None assigned.	GHS02, Flam. Liq. 2; H225,

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. 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, Carbon dioxide, Carbon monoxide.

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.
Incompatible materials	None known.

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.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	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 range	-19°C.
Flash Point (°C)	Not applicable as an aerosol.
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/cm³
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.
Explosive properties	Not explosive.
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.
Aspiration hazard	None anticipated

11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

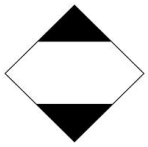
12.1	**Toxicity**	Low toxicity to aquatic organisms.
12.2	**Persistence and degradability**	No information available.
12.3	**Bioaccumulative potential**	No information available
12.4	**Mobility in soil**	No information available.
12.5	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.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

SECTION 13: DISPOSAL CONSIDERATIONS

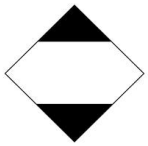
13.1	**Waste treatment methods**	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. Do NOT landfill.
13.2	**Additional Information**	Disposal should be in 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.
14.5	**Environmental hazards**	
	Marine Pollutant	None.
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	
	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

Wassergefährdungsklasse (Germany): WGK class 1

Technical Instructions (air):

Class	Share in %
NK	5 - <10

VOC-CH	9.49%
VOC-EU	102.5g/l
Danish MAL Code	0-1

15.2 Chemical Safety Assessment Not available.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1,2,3.

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
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.