



Smoke Detector Test Can

Accessories – Servicing

Part No. SOLO-A10

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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 A10s–XXX (XXX denotes customer variant).
CAS No.	Mixture
EINECS No.	Mixture
REACH Registration No.	None assigned.
UFI	7GJP-H2TR-6005-G991

1.2 Relevant identified uses of the substance or mixture and uses advised against

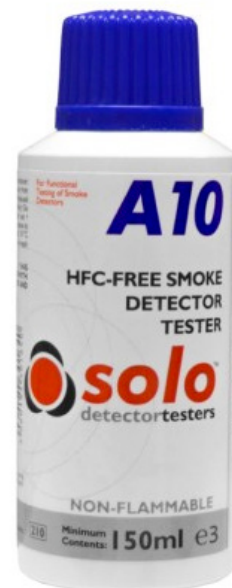
Identified Use(s)	Smoke simulation
Uses Advised Against	None known

1.3 Only representative

Company Identification	Shift-Consult Hubert Scherzinger, 79108 Freiburg, Germany
Telephone	+49 7665 81 21 74
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
Mon-Thur (8:30-17:00), Fri (8:30-15:00)	





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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.
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2.2 Label elements

Hazard Pictogram(s)	According to Regulation (EC) No. 1272/2008 (CLP)  GHS07
Signal Word(s)	Warning..
Hazard Statement(s) EINECS No.	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

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	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.



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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.



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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)

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.



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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)	>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 limit	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.
Explosive properties	Not explosive
Oxidising properties	Not oxidising.



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9.2 Other information

Organic solvents – Content	9.9%
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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

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.



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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.
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14.2 UN proper shipping name

ADR Group	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, Non-flammable.



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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

Marine Pollutant	None.
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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)



ADR Transport Category
Tunnel Restriction Code

3
Not applicable in Limited Quantities

IMDG
Limited Quantity (LQ)



IATA
Limited Quantity (LQ)



UN

UN Model Regulation

AEROSOLS



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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: NK Share in %: 5 – <10
VOC-CH	9.49%
VOC-EU	102.5g/l
Danish MAL Code	0-1

15.2 Chemical Safety Assessment

Not available.



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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: header.

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.