

SOLO CO Fire Detector Tester
SAFETY DATA SHEET
SDS0067

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH). 1272/2008(CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name SOLO CO Fire Detector Tester.
Trade Name SOLO C3-XXX, SOLO C6-XXX and SOLO C7-XXX (XXX denotes customer variant).
CAS No. Mixture.
EINECS No. Mixture.
REACH Registration No. None assigned.
UFI Not applicable

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

Identified Use(s) Trace carbon monoxide (CO) source.
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 (08:30-17:00), Fri (08:30-15:00)

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

Hazard Pictogram(s) None.
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.
Additional Information 0.19 % by mass of the contents are flammable.

2.3 Other hazards

None.

2.4 Additional Information

None.

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)
Carbon monoxide	<1	630-08-0	211-128-3	None assigned.	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas; H280, GHS06, Acute Tox. 3; H331, GHS08, Repr. 1A; H360D, STOT RE 1; H372

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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. Seek medical attention if ill effects occur.
Skin Contact	Not applicable.
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 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.

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.

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.

6.2 Environmental precautions No special measures are required.

6.3 Methods and material for containment and cleaning up Collect mechanically and dispose of according to Section 13. 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. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities Observe official regulations on storing packagings with pressurised containers.

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

Storage life Stable under normal conditions.

Incompatible materials None anticipated.

7.3 Specific end use(s) Trace carbon monoxide (CO) source.

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
Carbon monoxide	630-08-0	20	23	100	117	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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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	Not normally required.
	
Skin protection (Hand protection/ Other)	Not normally required.
	
Respiratory protection	No personal respiratory protective equipment normally required.
	
Thermal hazards	Not applicable.
8.2.3 Environmental Exposure Controls	No special measures are required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Aerosol.
Colour.	Colourless.
Odour	None.
Odour Threshold (ppm)	Not applicable.
pH (Value)	Not determined.
Melting Point / Freezing Point	Not determined.
Initial boiling point and boiling range	Not available.
Flash Point	Not available.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Density	Heavier than air.
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Not determined.
Partition Coefficient (n-Octanol/water)	Not determined.
Ignition temperature	Not determined.
Auto Ignition Point (°C)	Not determined.
Decomposition Temperature (°C)	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive.
	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.
9.2 Other information	None.

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.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	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	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	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. Do not allow to enter drains, sewers or watercourses.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 1950.
ADR, IMDG, IATA	
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.

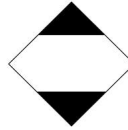
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14.8 Additional Information

ADR

Limited Quantity (LQ)

1L



ADR Transport Category
Tunnel Restriction Code

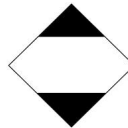
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Not applicable in Limited Quantities.

IMDG

Limited Quantity (LQ)

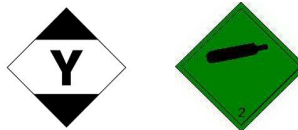
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IATA

Limited Quantity (LQ)

1L



UN Model Regulation

UN 1950, AEROSOLS, 2.2

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)

Not listed.

15.1.2 National regulations

None known.

15.2 Chemical Safety Assessment

Not available.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1,3,15.

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
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
Acute Tox. 3	Acute toxicity Category 3
Aerosol 3	Aerosol Category 3
Flam. Gas 1	Flammable gas Category 1
Press. Gas	Gases under pressure
Repr. 1A	Reproductive toxicity Category 1
STOT RE 1	Specific target organ toxicity — repeated exposure Category 1

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Hazard Statement(s)

H220	Extremely flammable gas.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H331	Toxic if inhaled.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.