



SOLO CO Fire Detector Tester

Accessories – Servicing

Part No. SOLO-C3

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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, (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)	





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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

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

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 Substances

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

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. 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.



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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/m³)	STEL (ppm)	STEL (mg/m³)	Note
Carbon monoxide	630-08-0	20	23	100	117	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

8.2.1 Appropriate engineering controls

Provide adequate ventilation.



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

9.2 Other information

None



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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.
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.



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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

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 ADR, IMDG, IATA

UN 1950

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 Group

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.
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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)

1L



ADR Transport Category
Tunnel Restriction Code

3

Not applicable in Limited Quantities

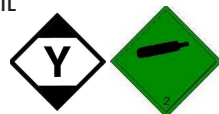
IMDG
Limited Quantity (LQ)

1L



IATA
Limited Quantity (LQ)

1L



UN Model Regulation

UN 1950, AEROSOLS, 2.2



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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)	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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SECTION 16: OTHER INFORMATION

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.