

## MATERIAL SAFETY DATA SHEET

Data sheet No.: 0067; Issue 5; Date: 10.12.03

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### WHAT IS THE PRODUCT AND WHAT INFORMATION IS REQUIRED IN AN EMERGENCY?

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#### SECTION 1 - IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

**Product Name:** SOLO CO Fire Detector Tester

**Part Number:** SOLO C3-001 (subject to variant amendment)

**Manufacturer:** No Climb Products Ltd, Edison House, 163 Dixons Hill Road, Welham Green  
Hertfordshire, AL9 7JE, UK  
Tel +44 (0) 1707 282760; Fax +44 (0) 1707 282777

#### SECTION 2 - COMPOSITION/INFORMATION ON COMPONENTS

**Substance/Preparation:**

- Preparation approx. 1850ppm Carbon Monoxide balance Nitrogen.

**Composition/Impurities:**

- Contains no other components or impurities, which will influence the classification of the product.

#### SECTION 3 - HAZARD IDENTIFICATION

**OVER-EXPOSURE:**

**Inhalation:**

- In high concentrations may cause asphyxiation.

**FIRE AND EXPLOSION HAZARDS:**

- This product is classed as non-flammable\*;
- Compressed gas - as with all pressurised aerosol containers, cans may burst if heated to over 50°C (122°F).

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### WHAT SHOULD BE DONE IF A HAZARDOUS SITUATION OCCURS?

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#### SECTION 4 - FIRST AID MEASURES

**Ingestion:**

- Ingestion is not considered a potential route of exposure;

**Inhalation:**

- In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim is not aware of asphyxiation. Remove victim to uncontaminated area wearing self-contained breathing apparatus. Keep victim warm and rested.
- Call a doctor.
- Apply artificial respiration if breathing stopped.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Fire-fighting Measures:**

- These containers hold gas under pressure, with no liquid phase. If involved in a major fire, they should be sprayed with water to avoid pressure increases, otherwise pressures will rise and ultimately they may distort or burst to release the contents. The gases will not add significantly to the fire, but containers or fragments may be projected considerable distances - thereby hampering fire-fighting efforts.

## SECTION 6 - ACCIDENTAL RELEASE (SPILL AND LEAK) MEASURES:

### Accidental Release Measures:

- In terms of weight, these containers hold very little contents, such that any accidental release by puncturing etc. will be of no practical concern.

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## HOW CAN HAZARDOUS SITUATIONS BE PREVENTED FROM OCCURRING?

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## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING, STORAGE & USE

### Safe handling:

- Suck back of water into the container must be prevented. Do not allow backfeed into the container. Use only properly specified equipment, which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Refer to supplier's container handling instructions;
- Contents are under pressure- do not puncture or force open cans even when empty;

### Safe Storage:

- Observe official regulations on storing packaging with pressure containers;
- Store containers in cool, dry, well-ventilated locations away from direct sunlight and do not store at temperatures exceeding 50°C (122°F) (e.g. passenger or back seat of a car in summer months);

### Safe Use:

- Ensure good ventilation/mechanical exhaustion at workplace - if this is not possible, take regular breaks from use;
- Do not deliberately inhale gas;
- Follow label directions carefully; use only with **SOLO** dispenser.

## SECTION 8 - EXPOSURE CONTROLS

### Respiratory Protection:

- No protective device is required during normal use of product;
- Ensure adequate ventilation - mechanical ventilation is recommended where product is used in confined spaces- if this is not possible, take regular breaks in fresh air.

### Hand and Eye Protection:

- None required.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Physical & Chemical properties:

Relative density, gas	Heavier than air
Solubility in water (mg/L)	Not specified but considered to have low solubility
Appearance/Colour	Colourless gas
Odour	None

## SECTION 10- STABILITY & REACTIVITY

### Stability:

- Product is stable under normal conditions;

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## WHAT IS THE IMPACT OF THIS PRODUCT ON HEALTH AND THE ENVIRONMENT?

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## SECTION 11 - TOXICOLOGICAL INFORMATION

Under normal usage, this product should pose little risk to the health of the user.

**General:**

- No known toxicological effects from this product

**SECTION 12 - ECOLOGICAL INFORMATION**

**General:**

- No ecological damage caused by this product

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste disposal method:**

- Do not discharge into any place where its accumulation could be dangerous. Used containers are acceptable for disposal in the normal waste stream.

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**WHAT INFORMATION DO I NEED TO KNOW REGARDING THE TRANSPORTATION, CLASSIFICATION, PACKAGING AND LABELLING OF THIS PRODUCT?**

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**SECTION 14 - TRANSPORT INFORMATION**

**Designation of goods/Proper shipping name:**

- Compressed gas n.o.s;

**Commodity Code:**

- **38249099**

**UN- Number:**

- UN 1950;

**Land Transport (ADR/RID):**

- ADR/RID class: 2.2 gasses that are compressed, liquefied or dissolved under pressure;
- Classification code 5<sup>o</sup>A;

**Maritime Transport (IMDG)/Land-Sea Interface:**

- IMDG class: 2; page 2102;

**Air Transport (ICAO-TI/IATA):**

- ICAO/IATA class: 2.2.

**SECTION 15- REGULATORY INFORMATION**

**Designation according to EC Guidelines**

This product has been classified and labelled in accordance with relevant EC Directives and national laws:

- Classified non-flammable\* / according to Directives 88/379/EEC, 67/548/EEC and the UK's CHIP 3 (July 2002) Regulations.
- Risk phrases:
  - R61 May cause harm to the unborn child
- Safety phrases:
  - S2 Keep out of reach of children
  - S3 Keep in a cool place
  - S9 Keep in well-ventilated place
  - S22 Do not breathe gas
  - S45 In case of accident or if you feel unwell seek medical advice immediately
  - S51 Use only in well ventilated areas

**SECTION 16 - OTHER INFORMATION**

**General:**

- This MSDS has been prepared in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations, July 2002. The information is based on the best knowledge of No Climb Products Ltd., and its advisors and is given in good faith, but we

cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for other purposes than it is intended.

**Revision Status:**

1. New Material Safety Data Sheet	<b>DRAFT</b>	20.07.01
2. Amendments to mix, typographical errors	<b>DRAFTB</b>	24.07.01
3. Formal Issue for production	<b>ISSUE 1</b>	10.12.01
4. Commodity Code added, to section 14	<b>ISSUE 2</b>	15.02.02
5. CHIP 3 added (section 15) ADR Code added (section 14)	<b>ISSUE 3</b>	22.04.03
6. Risk & Safety Phrases added to section 15	<b>ISSUE 4</b>	14.08.03
7. Change of Address	<b>ISSUE 5</b>	10.12.03

**Note:** This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. Information contained herein, on the can, and in promotional literature, is based on the state of our knowledge at the time, and is intended to describe products from the point of view of safety requirements. Nothing contained herein is intended to incorporate any representation or warranty either express or implied or to form the basis of any legal relations between the parties hereto, additional to or in lieu of such as may be applicable to a contract of sale and purchase. Customers are urged to satisfy themselves the product is entirely suitable for their own purposes. Where possible, products are best used in conjunction with No Climb dispensing apparatus.