



MATERIAL SAFETY DATA SHEET

Prepared according to ISO 11014 : 2009

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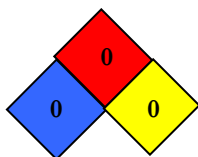
WHAT IS THE PRODUCT AND WHAT INFORMATION IS REQUIRED IN AN EMERGENCY?

SECTION 1 – IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product Name: SOLO CO Fire Detector Tester
Part Number: SOLO C3-xxx (xxx denotes product variant reference)
Manufacturer: SDI, 1345 Campus Parkway, Neptune, NJ 07753-6815
Tel: 732-751-9266; Fax: 732-751-9241

SECTION 2 – HAZARD IDENTIFICATION

NFPA ratings (scale 0-4)



Health = 0	No Unusual Hazard
Fire = 0	Not combustible
Reactivity = 0	Stable: Not reactive when mixed with water

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 pressurized aerosol containers, cans may burst if heated to over 122°F (50°C).

SECTION 3 – 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.

WHAT SHOULD BE DONE IF A HAZARDOUS SITUATION OCCURS?

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.

HOW CAN HAZARDOUS SITUATIONS BE PREVENTED FROM OCCURRING?

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING, STORAGE & USE

Safe handling:

- Suck back of water into the container must be prevented. Do not allow back feed 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 122°F (50°C) (e.g. passenger or back seat of a car in summer months);

Safe Use:

- Ensure good ventilation/mechanical exhaust 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

Occupational Exposure Limit

- Carbon Monoxide 30ppm / 200mg / m³ (15min TWA reference period).

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.

Personal Protection:

- Wear PPE (personal protective equipment) appropriate to the task and the environment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical & Chemical properties:

Relative density, gas	Heavier than air
Solubility in water	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;

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

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.

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

SECTION 14 – TRANSPORT INFORMATION

Designation of goods/Proper shipping name:

- Aerosols Asphyxiant

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^oA;

Maritime Transport (IMDG)/Land-Sea Interface:

- IMDG class: 2; page 2102;

Air Transport (ICAO-TI/IATA):

- ICAO/IATA class: 2.2.

Transport Canada

- TDG Classification UN 1950 Class: 2.2 Proper shipping name: Aerosols.

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

WHMIS (Canada)

- Class A: Compressed Gas

SECTION 16 – OTHER INFORMATION

References:

Commission Directive 91/155/EEC, 1991; Statutory Instruments- The Chemicals (Hazard Information and Packaging for Supply) CHIP 3 Regulations July 2002; COSHH Regulations 1989; Hazard Communication Rule, 29 CFR 1910.1200; DOT 49 CFR; 40 CFR - Protection of the Environment; NFPA 704- Standard System for the Identification of Hazards of Materials for Emergency Response 1996

Revision Status:

- | | |
|---|----------|
| 1. New Material Safety Data Sheet | 01/24/06 |
| 2. Section 14 Designation of goods/proper shipping name amended to aerosols.
Sections 2 and 3 reversed in accordance with REACH directive. | 05/22/08 |
| 3. Section 8 OEL (Occupational Exposure Limit) added.
Specification Heading added page 1. | 03/04/10 |
| 4. NFPA ratings added to section 2 | 11/02/10 |

Notification:

This MSDS has been prepared in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations. The information is based on the best knowledge of the Supplier, 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.