1. **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 C6-XXX (XXX denotes customer variant).
- **CAS No.:** Mixture.
- **EINECS No.:** Mixture.

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified Use(s):** Trace carbon monoxide (CO) source.
- **Uses Advised Against:** None known.

1.3 **Details of the supplier of the safety data sheet**
- **Distributor:** SDi
  - **Company Identification:** 1345 Campus Parkway, Suite A18
  - **Telephone:** (732) 751 9266
  - **Fax:** (732) 751 9241
  - **E-mail:** sales@sdifire.com

1.4 **Emergency telephone number**
- **Info Trac:** 1-800-535-5053

2. **SECTION 2: HAZARDS IDENTIFICATION**

2.1 **Classification of the substance or mixture**

**US CFR 1910.1200**
- Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated.
- Repr. 1A: May damage the unborn child.

2.2 **Label elements**

**Product Name**
- SOLO CO Fire Detector Tester.

**Hazard Pictogram(s)**
- GHS04
- GHS08

**Signal Word(s):** Danger.

**Hazard Statement(s):**
- H280: Contains gas under pressure; may explode if heated.
- H360D: May damage the unborn child.
SOLO CO Fire Detector Tester

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P405: Store locked up.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

Additional Information

0.19 % by mass of the contents are flammable.
Do not pierce or burn, even after use.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 122°F.
Disposal should be in accordance with local, state or national legislation.
Please refer to SDS for further details of safety precautions or instructions.

2.3 Other hazards
None.

2.4 Additional Information
None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>CAS No.</th>
<th>%W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>630-08-0</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

3.2 Additional Information
None.

4. 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.
- Skin Contact: Wash with plenty of soap and water.
- 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

If exposed or concerned: Get medical attention/advice.
5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurized 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.

6. 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. Use personal protective equipment as required.

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.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Intended for use as a tester spray for carbon monoxide detectors involving spraying short bursts of gas at the detector via a tube at close range. Under these conditions of use personal protective equipment is not necessary. Wear respiratory protective equipment if accidental exposure to large amounts of gas is anticipated. See Section: 8.
- Provide adequate ventilation. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities
- Storage temperature: Store locked up. Protect from sunlight. Store in a well-ventilated place. Observe official regulations on storing packagings with pressurized containers.
- Storage life: Stable under normal conditions.
- Incompatible materials: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 122°F. None anticipated.
8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>630-08-0</td>
<td>35</td>
<td>40</td>
<td>200</td>
<td>229</td>
<td>NIOSH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50</td>
<td>55</td>
<td>-</td>
<td>-</td>
<td>PEL (OSHA)</td>
</tr>
</tbody>
</table>

Source:
NIOSH = National Institute of Occupational Safety & Health
OSHA = Occupational Safety and Health Administration

8.2 Appropriate engineering controls
Provide adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)
Use personal protective equipment as required.

Eye/face protection
Not normally required.

Skin protection (Hand protection/ Other)
Not normally required.

Respiratory protection
Not normally required.
If exposure to large amounts is anticipated provide adequate ventilation and/or wear suitable respiratory protective equipment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance: Aerosol.
Color: Colorless.
Odor: None.
Odor Threshold: Not applicable.
pH: 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.
Vapor pressure: Not determined.
Vapor density: Not determined.
Relative density: Heavier than air.
Solubility(ies): Not determined.
Partition coefficient: n-octanol/water: Not determined.
Auto-ignition temperature: Not determined.

Tested to CFR 1910.1200 Appendix B – B.3
SOLO CO Fire Detector Tester

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Contains gas under pressure; may explode if heated.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing.</td>
</tr>
<tr>
<td><strong>9.2 Other information</strong></td>
<td>None.</td>
</tr>
</tbody>
</table>

**10. 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 | Stable under normal conditions.                                                                                                                                       |
10.4 Conditions to avoid        | Heat and direct sunlight.                                                                                                                                              |
10.5 Incompatible materials     | None anticipated.                                                                                                                                                     |
10.6 Hazardous decomposition product(s) | None known.                                                                                                                                                          |

**11. SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

Mixtures

- Acute toxicity: Low acute toxicity.
- Irritation: Non-irritant.
- Corrosivity: Not classified.
- Sensitization: It is not a skin sensitizer.
- Repeated dose toxicity: None anticipated.
- Carcinogenicity: No evidence of carcinogenicity.
- Mutagenicity: There is no evidence of mutagenic potential.

11.2 Other information: None.

**12. 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 Other adverse effects     | None.                                                                                                                                |

**13. 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. |
### 14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number
ADR, IMDG, IATA, TDG

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG, TDG</th>
<th>IATA</th>
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</thead>
<tbody>
<tr>
<td>UN 1950</td>
<td>1950 AEROSOLS</td>
<td>AEROSOLS, Non-flammable</td>
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</tbody>
</table>

14.2 UN Proper Shipping Name
ADR
IMDG, TDG
IATA

14.3 Transport hazard class(es)
ADR

<table>
<thead>
<tr>
<th>Class / Classification</th>
<th>Label</th>
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<tbody>
<tr>
<td>2.2 5A Gases.</td>
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</table>

IMDG, IATA, TDG

<table>
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<th>Class / Division</th>
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<tbody>
<tr>
<td>2.2</td>
<td>2.2</td>
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</tbody>
</table>

14.4 Packing Group
ADR, IMDG, IATA

None.

14.5 Environmental hazards
ADR

Marine Pollutant

No.

IMDG, TDG

14.6 Special precautions for user

Kemler Code

IMDG EMS

- F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

14.8 Additional Information
ADR

Limited Quantity (LQ)

1 L

ADR Transport Category

Tunnel Restriction Code

3

Not applicable in Limited Quantities.

IMDG, TDG

Limited Quantity (LQ)

1L

IATA, TDG

Limited Quantity (LQ)

1L

UN Model Regulation

UN1950, AEROSOLS, 2.2

US

ORM-D when transported in limited quantities (< 30kg or 66lb gross weight).
15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 OSHA
Toxic and hazardous substances (29 CFR 1910; Subpart Z)
National emission standards for hazardous air pollutants (40 CFR 61.01)
Listed: Carbon monoxide (CAS No.: 630-08-0)
All chemicals are not listed.

15.1.2 Title III Consolidated List of Lists
All chemicals are not listed.

15.1.3 OSPAR List of Chemicals for Priority Action
All chemicals are not listed.

15.1.4 State Right to Know Lists
Carbon monoxide (CAS No.: 630-08-0):
New Jersey, Pennsylvania, Massachusetts.

15.1.5 TSCA (Toxic Substance Control Act)
Listed: Carbon monoxide (CAS No.: 630-08-0)

15.1.6 Proposition 65 (California)
Listed: Carbon monoxide (CAS No.: 630-08-0)

15.1.7 CAA 602 - Ozone Depleting Substances (ODS)
All chemicals are not listed.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
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</thead>
<tbody>
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<td>Health</td>
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</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
</tbody>
</table>

LEGEND

- LTEL: Long Term Exposure Limit
- STEL: Short Term Exposure Limit
- NIOSH: National Institute of Occupational Safety & Health
- PEL: Permissible Exposure Limits
- CAA: Clean Air Act
- OSHA: Occupational Safety and Health Administration
- OSPAR: Oslo and Paris Convention
- ADR: Accord européen elative au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- TDG: Transportation of Dangerous Goods
- NFPA: National Fire Protection Association
- HMIS: Hazardous Material Identification System

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