1. Product and Company Identification

**Product number**: 064-002  
**Product name**: Industrial C-60 Solvent Degreaser  
**Effective date**: 13-Sep-2011  
**Company information**: Sprayway, Inc.  
1005 Westgate  
Addison, IL 60101 United States  
**Company phone**: General Assistance 630-543-7600  
**Emergency telephone US**: 800-424-9300  
**Emergency telephone outside US**: 703-527-3887  
**Version #**: 01

2. Hazards Identification

**Emergency overview**: Aerosol. CONTENTS UNDER PRESSURE. May be ignited by heat, sparks or flames. Irritating to skin. Irritating to eyes. Irritating to respiratory system. Prolonged exposure may cause chronic effects. May cause cancer.

**Potential health effects**

- **Routes of exposure**: Skin contact. Inhalation. Ingestion.
- **Eyes**: Causes eye irritation.
- **Skin**: Irritating to skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
- **Inhalation**: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.
- **Ingestion**: Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

**Target organs**: Central nervous system. Lungs.

**Chronic effects**: May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.


3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
<td>&gt; 90</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>3 - 5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**First aid procedures**

- **Eye contact**: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
- **Skin contact**: Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin.
- **Inhalation**: Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.
Ingestion
If material is ingested, immediately contact a poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician
In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire Fighting Measures

Flammable properties
Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Protection of firefighters
Fire may produce irritating, corrosive and/or toxic gases.

Specific hazards arising from the chemical
In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental Release Measures

Methods for containment
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling
Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolonged exposure.

Storage
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B) Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
<td>10 ppm</td>
<td>25 ppm</td>
<td>Not established</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>5000 ppm</td>
<td>30000 ppm</td>
<td>Not established</td>
</tr>
</tbody>
</table>

OSHA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
<td>100 ppm</td>
<td>Not established</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>5000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>
Personal protective equipment

Eye / face protection
Wear chemical goggles.

Skin protection
Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Compressed liquefied gas.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>186.8 °F (86.1 °C) estimated</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Density</td>
<td>1.4645 g/cm3 estimated</td>
</tr>
<tr>
<td>Flammability (HOC)</td>
<td>0 kJ/g estimated</td>
</tr>
<tr>
<td>Flash back</td>
<td>No</td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid. Aerosol</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Pressure</td>
<td>72 - 92 psig @70F</td>
</tr>
<tr>
<td>Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.4646 estimated</td>
</tr>
</tbody>
</table>

10. Chemical Stability & Reactivity Information

Chemical stability
Stable at normal conditions.

Conditions to avoid
Heat, flames and sparks.

Hazardous decomposition products
Irritants. Toxic gas.

11. Toxicological Information

Acute effects
Acute LC50: 8282 mg/m3/4h estimated, Rat, Inhalation

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s
Trichloroethylene 79-01-6 Inhalation LC50 Rat 8000 ppm 4 h; Inhalation LC50 Rat 26300 ppm 1 h; Oral LD50 Rat 4290 mg/kg; Dermal LD50 Rabbit >20 g/kg

Sensitization
Not expected to be hazardous by OSHA criteria.

Carcinogenicity
Hazardous by OSHA criteria. Potential cancer hazard.

IARC - Group 2A (Probably Carcinogenic to Humans)
Trichloroethylene 79-01-6 Monograph 63 [1995]; Supplement 7 [1987]

Teratogenicity
Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity
Components of this product are hazardous to aquatic life.

LC50 42.13 mg/L, Fish, 96.00 Hours,
EC50 2.28 mg/L, Daphnia, 48.00 Hours,

13. Disposal Considerations

Waste codes
D040: Waste Trichloroethylene

Disposal instructions
Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:
- Proper shipping name: Consumer commodity
- Hazard class: ORM-D
- Subsidiary hazard class: None
- Additional information:
  - Packaging exceptions: 156, 306
  - Packaging non bulk: 156, 306
  - Packaging bulk: None

IMDG

Basic shipping requirements:
- Proper shipping name: AEROSOLS
- Hazard class: 2.2
- Subsidiary hazard class: 6.1
- UN number: 1950
- Additional information:
  - Packaging exceptions: NOT a Ltd Qty
  - Item: 5T
  - Labels required: 2.2, +6.1
  - Transport Category: If <1L: Consumer Commodity

IATA

Basic shipping requirements:
- Proper shipping name: Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III
- Hazard class: 2.2
- Subsidiary hazard class: 6.1
- UN number: 1950
- Additional information:
  - Packaging exceptions: LTD QTY
  - Labels required: 2.2, 6.1

15. Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
Trichloroethylene: 79-01-6 0.1 % de minimis concentration

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity
Trichloroethylene: 100.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Section 302 extremely hazardous substance: No
Section 311 hazardous chemical: Yes
Hazard categories (311/312): Immediate Hazard - Yes, Delayed Hazard - Yes, Fire Hazard - No, Pressure Hazard - Yes, Reactivity Hazard - No
Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of New and Existing Chemicals (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

U.S. - Pennsylvania - RTK (Right to Know) List

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Presence</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>Present</td>
<td>Environmental hazard</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2*
Flammability: 2
Physical hazard: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by

Regulatory Compliance