1. Product and Company Identification

Product number: 926-002
Product name: Loosey Goosey Penetrating Oil
Effective date: 05-Mar-2010
Company information: Total Cleanse Solutions
Company phone: General Assistance 877-672-4727
Emergency telephone US: 800-535-5053
Emergency telephone outside US: 703-527-3887
Version #: 05
Supersedes date: 02-Oct-2009

2. Hazards Identification

Emergency overview: CONTENTS UNDER PRESSURE. Aerosol. Cancer hazard. Irritating to skin. Irritating to eyes. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

Potential health effects:
- Routes of exposure: Ingestion. Inhalation. Skin contact.
- 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.


Chronic effects: Liver injury may occur. Kidney injury may occur. 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>Perchloroethylene</td>
<td>127-18-4</td>
<td>50 - 60</td>
</tr>
<tr>
<td>Deodorized Kerosene</td>
<td>64742-47-8</td>
<td>30 - 40</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels: 2.5 - 10

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. Get medical attention immediately.
Ingestion

If material is ingested, immediately contact a poison control center. Rinse mouth. 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.

5. Fire Fighting Measures

Flammable properties

Not a fire hazard. The product is not flammable.

Extinguishing media

Suitable extinguishing media: Water.

Protection of firefighters

Containers should be cooled with water to prevent vapor pressure build up. 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 use if spray button is missing or defective. 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

Level 1 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other 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>Perchloroethylene</td>
<td>127-18-4</td>
<td>25 ppm</td>
<td>100 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>Perchloroethylene</td>
<td>127-18-4</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

Wear positive pressure self-contained breathing apparatus (SCBA). 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>Aerosol</td>
</tr>
<tr>
<td>Boiling point</td>
<td>294.8 °F (146.1 °C) estimated</td>
</tr>
<tr>
<td>Color</td>
<td>clear brown</td>
</tr>
<tr>
<td>Flammability (HOC)</td>
<td>16.3127 kJ/g estimated</td>
</tr>
<tr>
<td>Flash back</td>
<td>No</td>
</tr>
<tr>
<td>Flash point</td>
<td>159 °F (70.6 °C) CONCENTRATE</td>
</tr>
<tr>
<td>Form</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</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>80 - 95 psig @70F</td>
</tr>
<tr>
<td>Solubility</td>
<td>None</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.1722</td>
</tr>
</tbody>
</table>

10. Chemical Stability & Reactivity Information

Chemical stability

Stable at normal conditions.

Hazardous decomposition products

Hydrogen chloride. May include oxides of sulphur.

11. Toxicological Information

Acute effects

Acute LD50: 6002 mg/kg estimated, Rat, Dermal

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deodorized Kerosene</td>
<td>64742-47-8</td>
<td>Inhalation LC50 Rat &gt;5.2 mg/L 4 h; Oral LD50 Rat &gt;5000 mg/kg; Dermal LD50 Rabbit &gt;2000 mg/kg</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
<td>Inhalation LC50 Rat 4000 ppm 4 h; Oral LD50 Rat 2629 mg/kg; Dermal LD50 Mouse 2800 mg/kg</td>
</tr>
</tbody>
</table>

Sensitization

Not expected to be hazardous by OSHA criteria.

Carcinogenicity

Hazardous by OSHA criteria.

IARC - Group 2A (Probably Carcinogenic to Humans)

Perchloroethylene 127-18-4 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.

<table>
<thead>
<tr>
<th>LC50 Value</th>
<th>Description</th>
<th>Species</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.42 mg/L</td>
<td></td>
<td>Fish</td>
<td>96.00 Hours</td>
</tr>
<tr>
<td>12.84 mg/L</td>
<td></td>
<td>Daphnia</td>
<td>48.00 Hours</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

Waste codes

D039: Waste Tetrachloroethylene

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
- 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
- Marine pollutant: Tetrachloroethylene

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

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
- Perchloroethylene: 127-18-4 0.1 % de minimis concentration

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

CERCLA (Superfund) reportable quantity
- Perchloroethylene: 100.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- Hazard categories:
  - Immediate Hazard: Yes
  - Delayed Hazard: Yes
  - Fire Hazard: Yes
  - Pressure Hazard: Yes
  - Reactivity Hazard: No

- Section 302 extremely hazardous substance: No
- Section 311 hazardous chemical: Yes
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>No</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>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</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>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>Present</td>
</tr>
<tr>
<td>Deodorized Kerosene</td>
<td>64742-47-8</td>
<td>Present</td>
</tr>
<tr>
<td>Perchloroethylene</td>
<td>127-18-4</td>
<td>Environmental hazard; Special hazardous substance</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.

MSDS sections updated

Physical & Chemical Properties: Physical & Chemical Properties
Transport Information: Product Shipping Name/Packing Group

Prepared by

Regulatory Compliance