SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier
Product Name: CD-2 Engine Detailer
Product Code (SKU): 4516 (50005)

1.2 Relevant Identified Uses Of The Substance
Product Use: Engine Detailer (Aerosol)

1.3 Details of the Supplier of the SDS
Company Name: CD-2 Company
Street Address: 2250 W. Pinehurst Blvd., Suite 150
City, State, Zip Code: Addison, IL 60101

1.4 Emergency Telephone Numbers
Phone Number: 1(630)455-3700
Fax Number: 1(630)455-3868
Transportation: 1(800)424-9300 (CHEMTREC)
Medical Assistance: Call your local Poison Control Center

2. Hazard Identification:

2.1 Classification of the Substance or Mixture
Hazard Classification: Flammable aerosol 2
Gas Under Pressure – Liquified Gas

2.2 Label Elements

Pictogram:

Signal Word: Warning


Precautionary Statement: Keep away from heat, sparks, hot surfaces or open flames. Do not smoke or spray near open flame or source of ignition. Pressurized container: Do not puncture or incinerate. Do not store in direct sunlight or at temperatures above 50°C (122°F). Store in a well ventilated place.

2.3 Other Hazards
Description of additional HNOC: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
3. Information on Ingredients:

3.1 Substance not applicable

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Concentration (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate (Hydrotreated Light)</td>
<td>64742-47-8</td>
<td>40-70%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>7-13%</td>
</tr>
<tr>
<td>1,1-Difluoroethane</td>
<td>75-37-6</td>
<td>7-13%</td>
</tr>
<tr>
<td>Polydimethyl Siloxane</td>
<td>63148-62-9</td>
<td>13-20%</td>
</tr>
</tbody>
</table>

4. First Aid Measures:

4.1 Description of First Aid Measures

**Inhalation:** Remove to fresh air and promote deep breathing. Get medical attention if effects persist.

**Skin:** In case of skin contact, wash thoroughly with soap and water. If irritation persists, get medical attention.

**Eyes:** In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses if worn. If irritation persists, get medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if effects persist.

4.2 Most important symptoms and effects – acute and chronic

**Inhalation:** May cause respiratory tract irritation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful of fatal.

**Skin:** May cause skin irritation. May cause drying, cracking, or mild dermatitis.

**Eyes:** May cause temporary eye irritation. Symptoms may include pain, excess blinking and tearing, redness, and swelling.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea, and vomiting.

4.3 Indication of any immediate medical attention and special treatment

Symptoms may not appear immediately. Seek medical attention if effects persist and you feel unwell.

5. Fire Fighting Measures:

5.1 Extinguishing media

Water spray, carbon dioxide, dry chemical, and alcohol foam

5.2 Special hazards arising from the substance or mixture

CO₂, CO, and hydrocarbons

5.3 Advice for Fire Fighters

Keep up wind of fire. Wear full firefighting turn out gear (full bunker gear) and respiratory protection (SCBA). See Section 8 for personal protection.

6. Accidental Release Measures:
6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate all source of ignition.

6.2 Methods and materials for containment and clean up

For containment: Contain and absorb spill with inert material. Place in suitable container for disposal. Spilled material may be slippery. Use appropriate Personal Protective Equipment (PPE).

For clean up: Take up material and place in a suitable container. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Provide adequate ventilation. Spilled material may be slippery.

7. Handling and Storage

7.1 Precautions for safe handling

Keep away from source of ignition. Do not smoke. Avoid contact with skin and eyes. Do not swallow. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use. Do not spray near flame of open ignition source. Use out doors with good ventilation.

7.2 Conditions for safe storage including incompatibilities

Keep out of reach of children. Store in a well ventilated place. Do not store above 49°C (120°F). Do not store near heat source or in direct sun light.

7.3 Specific end uses

Shelf Life: Shelf life is considered to be 7 – 10 years when properly stored. Aerosol products have been known to last much longer in storage.

8. Exposure Control/Personal Protection:

8.1 Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits</th>
<th>8 hr TWA:</th>
<th>(OSHA PEL)</th>
<th>(ACGIH TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate (Hydrotreated Light)</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>1,1-Difluoroethane</td>
<td>not available</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Polydimethyl Siloxane</td>
<td>not applicable</td>
<td>not applicable</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Use adequate ventilation to keep exposure below recommended limits. Ensure that eye wash station and safety shower are close to work station.

Hand Protection Equipment: Wear chemical resistant gloves and clothing to prevent skin contact.

Eye Protection Equipment: Wear safety glasses or splash goggles to prevent eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Respiration/Ventilation Protection Requirements: Provide good ventilation.
Ingestion Protection Requirements: Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

9. Physical And Chemical Properties:

9.1 Information of basic chemical and physical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Gas/Pressurized Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear Thin Liquid (Dispensed as clear liquid)</td>
</tr>
<tr>
<td>Odor</td>
<td>cherry</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>not available</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable (oil based)</td>
</tr>
<tr>
<td>Melting Point/Freeze Point</td>
<td>0°C (32°F) – Based on Water (liquid phase)</td>
</tr>
<tr>
<td>Initial Boiling Point</td>
<td>100°C (212°F) – Based on Water (liquid phase)</td>
</tr>
<tr>
<td>Flash Point (Seta Closed Cup)</td>
<td>not available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>Upper: not available, Lower: not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>not available</td>
</tr>
<tr>
<td>Flammability Solid/Gas</td>
<td>not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>not available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.833 (liquid phase)</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>not available</td>
</tr>
<tr>
<td>Partition coefficient (n/octonol/water)</td>
<td>not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Water Thin (liquid phase)</td>
</tr>
</tbody>
</table>

9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% NVM by Weight</td>
<td>24.0%</td>
</tr>
<tr>
<td>% VOC Content (California)</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity:

10.1 Reactivity
Does not react under normal conditions

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
Does not react under normal conditions

10.4 Conditions to avoid
Heat and incompatible materials

10.5 Incompatible materials
Strong oxidizers such as bleach and peroxides

10.6 Hazardous decomposition products
CO₂, CO and hydrocarbons

11. Toxicological Information:

11.1 Information on Toxicological effects
CD-2 Engine detailer
LD50 – Oral Rat >2000 mg/Kg
LD50 – Dermal Rabbit >2000 mg/Kg
LC50 – Inhalation Rat >5.0 mg/L (4 hr)

Propane (76-98-6)
LD50 – Inhalation Rat 658 mg/L(4hr)

Petroleum Distillate (Hydroteated Light) (64742-47-8)
LD50 – Oral Rat >5000 mg/Kg
LD50 – Dermal Rabbit >2000 mg/Kg
LC50 – Inhalation Rat >5.2 mg/L (4 hr)

Skin corrosion/irritation Based on available data, classification data are not met
Serious eye damage/irritation Based on available data, classification data are not met
Respiratory or skin sensitization Based on available data, classification data are not met
Germ cell mutagenicity Based on available data, classification data are not met
Carcinogenicity Based on available data, classification data are not met
Reproductive toxicity Based on available data, classification data are not met
Specific target organs – single exposure Based on available data, classification data are not met
Specific target organs – repeated exposure Based on available data, classification data are not met
Aspiration hazard Based on available data, classification data are not met

Symptoms/injuries after inhalation May cause respiratory tract irritation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful of fatal.
Symptoms/injuries after skin contact May cause skin irritation. May cause drying, cracking, or mild dermatitis.
Symptoms/injuries after eye contact May cause temporary eye irritation. Symptoms may include pain, excess blinking and tearing, redness, and swelling.
Symptoms/injuries after ingestion May be harmful if swallowed. May cause stomach distress, nausea, and vomiting.

12. Ecological Information:

12.1 Toxicity
Not recommended for release into aquatic systems without treatment

12.2 Persistence and degradability
Not established

12.3 Bioaccumulative potential
Not established

12.4 Mobility in soil
Not established

12.5 Other adverse effects
None known

13. Disposal Considerations:
13.1 Waste treatment methods

**RCRA Hazardous Waste:** Regulated as a hazardous waste (D-001 Ignitable).

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations

**Waste Disposal Vessel:** Metal drums are recommended. Dispose of un-used aerosol cans through a registered aerosol recycler.

14. **Transportation Information:**

14.1 **UN number**
1950

14.2 **UN Proper shipping name**
Aerosol - Flammable

14.3 **Transport Hazard class**
2.1 Flammable Gas

14.4 **Packaging group**
Not applicable

14.5 **Marine Pollutant**
No

14.6 **Transportation in Bulk**
Not applicable

14.7 **Special precautions**
NFPA (34b) Level 3 Aerosol

15. **Regulatory Information:**

15.1 **US Federal Regulations**

**TSCA Status:** All ingredients are commercially available and listed by the manufacturer under TSCA.

15.2 **Foreign Regulations**

**Canadian Status:** All materials contained in this product are listed on the Canadian Domestic Substance List (DSL). Consult Turtle Wax, Inc. regarding status of ingredients.

**European Union:** All materials contained in this product are listed on EINECS.

**AICS:** All materials are registered for AICS (Australia)

15.3 **State Regulations**

**State Regulatory Information:**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state.
California Prop 65:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Concentration</th>
<th>State Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>15.4</td>
<td></td>
</tr>
</tbody>
</table>

15.4 HMIS & NFPA Classifications

HMIS Classification:  
- Health: 1  
- Flammability: 4  
- Reactivity: 0

NFPA Classification:  
- Health: 1  
- Flammability: 4  
- Reactivity: 0

16. Other Information:

- Reason For Issue: Address Update
- Prepared By: James Heidel
- Preparer’s Title: Technical Director, R&D
- SDS Administrator: Jean Mayszak, Technical Compliance Manager, R&D
- Approval Date: January 26, 2017
- Supersedes Date: March 10, 2015
- Revision Number: #6

This information is, to the best of Turtle Wax, Inc.’s knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy oneself as to the suitableness and completeness of such information for their own particular use.