Section 1: Product & Company Identification

Product Name: Magic Oil™ Lock Lube & De-icer
Product Number (s): 05130, 75130
Product Use: Lubricating Locks

Manufacturer / Supplier Contact Information:
In United States: CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com
1-215-674-4300(General)
(800) 521-3168 (Technical)
(800) 272-4620 (Customer Service)

In Canada:
CRC Canada Co.
2-1246 Lorimar Drive
Mississauga, Ontario L5S 1R2
www.crc-canada.ca
1-905-670-2291

In Mexico:
CRC Industries Mexico
Av. Benito Juárez 4055 G
Colonia Orquídea
San Luis Potosí, SLP CP 78394
www.crc-mexico.com
52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

--- Emergency Overview ---

DANGER: Extremely flammable. Contents under pressure.

Potential Health Effects:
ACUTE EFFECTS:
  EYE: May cause irritating effect
  SKIN: May cause irritation to skin and mucous membranes

INHALATION: Excessive inhalation may cause nausea, headaches, and dizziness.

INGESTION: Ingestion unlikely to occur.

CHRONIC EFFECTS: No data available.

TARGET ORGANS: No data available.

Medical Conditions Aggravated by Exposure: No data available.

See Section 11 for toxicology and carcinogenicity information on product ingredients.
Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>40 - 60</td>
</tr>
<tr>
<td>Hydrocarbon propellant</td>
<td>68476-86-8</td>
<td>25 - 30</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>15 - 20</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>5 - 15</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Ingestion is unlikely to occur. If symptoms are present, consult doctor.

Note to Physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: This product is extremely flammable in accordance with aerosol flammability testing definitions (16 CFR 1500.3(c)(6)).

- Flash Point: < 32°F / < 0°C
- Autoignition Temperature: > 392°F / > 200°C
- Upper Explosive Limit: Not available
- Lower Explosive Limit: Not available

Fire and Explosion Data:

- Suitable Extinguishing Media: Dry chemical, CO2, water spray or alcohol resistant foam.
- Products of Combustion: Oxides of carbon.
- Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors can accumulate and create a flammable atmosphere.
- Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8. Wear protective equipment.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. Inform respective authorities in case of seepage into water course.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate
Section 7: Handling and Storage

Handling Procedures: Keep away from heat and direct sunlight. Do not use on or near a flame or any source of ignition. Do not smoke while using product. Do not use around energized equipment. Ensure adequate ventilation. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.

Aerosol Storage Level: III

Section 8: Exposure Controls/ Personal Protection

Exposure Guidelines:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1000</td>
<td>NE</td>
<td>1000</td>
</tr>
<tr>
<td>Hydrocarbon propellant</td>
<td>1000</td>
<td>NE</td>
<td>1000</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>400</td>
<td>500</td>
<td>200</td>
</tr>
<tr>
<td>Graphite</td>
<td>2.5*</td>
<td>NE</td>
<td>2*</td>
</tr>
</tbody>
</table>

N.E. – Not Established    (c) – ceiling (s) – skin (v) – vacated * - respirable

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal use where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or latex. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: black
Odor: solvent
Odor Threshold: NA
Specific Gravity: 0.82
Product Name: Magic Oil™ Lock Lube and De-icer
Product Number(s): 05130, 75130

Initial Boiling Point: ND
Freezing Point: NA
Vapor Pressure: 400 kPa @ 68°F
Vapor Density: >1 (air = 1)
Evaporation Rate: Fast
Solubility: Soluble in water
Coefficient of water/oil distribution: NA
pH: NA
Volatile Organic Compounds: wt %: 90, g/L: 738, lbs/gal: 6.1

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Keep away from sources of ignition

Incompatible Materials: Acids, alkalis, and oxidizing agents

Hazardous Decomposition Products: carbon oxide and carbon dioxide

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

Acute Toxicity:

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50 (rat)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Inhalation LC50 (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>760mg/kg</td>
<td>No data</td>
<td>20,000 ppm/10H</td>
</tr>
<tr>
<td>Hydrocarbon propellant</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>5000 mg/kg</td>
<td>12,800 mg/kg</td>
<td>16,000 ppm/8H</td>
</tr>
<tr>
<td>Graphite</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

Chronic Toxicity:

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA Carcinogen</th>
<th>IARC Carcinogen</th>
<th>NTP Carcinogen</th>
<th>Irritant</th>
<th>Sensitizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>E (mild) / S (moderate)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Hydrocarbon propellant</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>E (moderate) / S (mild)</td>
<td>No</td>
</tr>
<tr>
<td>Graphite</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Reproductive Toxicity: Propan-2-ol & Ethanol: Adverse reproductive effects have occurred in experimental animals: effects in embryo or fetal, fetal death

Teratogenicity: No data available

Mutagenicity: No data available

Synergistic Effects: No data available
Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No data available
Persistence / Degradability: No data available
Bioaccumulation / Accumulation: No data available
Mobility in Environment: No data available

Section 13: Disposal Considerations

Waste Classification: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with the following potential waste codes: D001. (See 40 CFR Part 261.20 – 261.33) Aerosol containers should be fully emptied and depressurized before disposal. Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

Section 14: Transport Information

US DOT (ground): UN1950, Aerosols, flammable, 2.1, Limited Quantity**
ICAO/IATA (air): UN1950, Aerosols, flammable, 2.1, Limited Quantity
IMO/IMDG (water): UN1950, Aerosols, 2.1, Limited Quantity

Special Provisions: **This product can be classified and labeled as ‘Consumer Commodity, ORM-D’ for domestic ground shipping until January 1, 2014. If shipping as limited quantity by ground, note that shipping papers are not required.

Section 15: Regulatory Information

U.S. Federal Regulations:

Toxic Substances Control Act (TSCA):
All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):
Reportable Quantities (RQ’s) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:
Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories: Fire Hazard Yes
Reactive Hazard No
Release of Pressure Yes
Acute Health Hazard No
Chronic Health Hazard No
Product Name: Magic Oil™ Lock Lube and De-icer
Product Number(s): 05130, 75130

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:
Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:
This product is regulated by the Hazard Communications Standard.

U.S. State Regulations:

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm:
None

Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:
New Jersey: 67-63-0, 64-17-5, 68476-86-8
Pennsylvania: 67-63-0, 64-17-5, 7782-42-5, 68476-86-8
Massachusetts: 67-63-0, 64-17-5, 68476-86-8
Rhode Island: 67-63-0, 64-17-5, 7782-42-5, 68476-86-8

Canadian Regulations:

Controlled Products Regulations:
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: A, B5

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

European Union Regulations:


Additional Regulatory Information: None

Section 16: Other Information

<table>
<thead>
<tr>
<th>HMIS® (II)</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>1</td>
</tr>
<tr>
<td>Flammability:</td>
<td>3</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>0</td>
</tr>
<tr>
<td>PPE:</td>
<td>B</td>
</tr>
</tbody>
</table>

Ratings range from 0 (no hazard) to 4 (severe hazard)
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries’ knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.