



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**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](http://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](http://www.crc-canada.ca)

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luís Potosí, SLP CP 78394

[www.crc-mexico.com](http://www.crc-mexico.com)

52-444-824-1666

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

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## Section 2: Hazards Identification

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### Emergency Overview

**DANGER:** Extremely flammable. Contents under pressure.  
Appearance & Odor: Black liquid. Solvent odor.

### 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.

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Ethanol	64-17-5	40 - 60
Hydrocarbon propellant	68476-86-8	25 - 30
Isopropanol	67-63-0	15 - 20
Graphite	7782-42-5	5 - 15

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### Section 4: First Aid Measures

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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.

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### Section 5: Fire-Fighting Measures

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**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	Upper Explosive Limit: Not available
Autoignition Temperature: > 392°F / > 200°C	Lower Explosive Limit: Not available

**Fire and Explosion Data:**

Suitable Extinguishing Media: Dry chemical, CO<sub>2</sub>, 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.

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### Section 6: Accidental Release Measures

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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

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respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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## Section 7: Handling and Storage

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**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

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## Section 8: Exposure Controls/Personal Protection

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### **Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Ethanol	1000	NE	1000	NE	NE		ppm
Hydrocarbon propellant	1000	NE	1000	NE	NE		ppm
Isopropanol	400	500	200	400	NE		ppm
Graphite	2.5*	NE	2*	NE	2.5*	NIOSH	mg/m3
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.

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## Section 9: Physical and Chemical Properties

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**Physical State:** Liquid  
**Color:** black  
**Odor:** solvent  
**Odor Threshold:** NA  
**Specific Gravity:** 0.82

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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:

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

### Chronic Toxicity:

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant	Sensitizer
Ethanol	No	No	No	E (mild) / S (moderate)	Unknown
Hydrocarbon propellant	No	No	No	No	No
Isopropanol	No	No	No	E (moderate) / S (mild)	No
Graphite	No	No	No	Unknown	Unknown

E – Eye	S – Skin	R - Respiratory
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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

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## **Section 12: Ecological Information**

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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

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## **Section 13: Disposal Considerations**

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**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.

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## **Section 14: Transport Information**

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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.

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## **Section 15: Regulatory Information**

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### **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

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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:**

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

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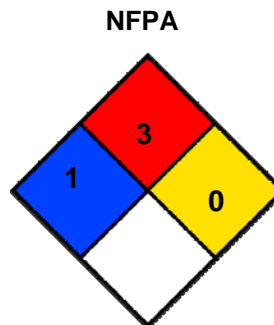
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**Section 16: Other Information**

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HMIS® (II)	
Health:	1
Flammability:	3
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)



# MATERIAL SAFETY DATA SHEET

Prepared By: Michelle Rudnick  
CRC #: 05130  
Revision Date: 08/16/2012

Changes since last revision: product number added

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.

ACGIH: American Conference of Governmental Industrial Hygienists	NA: Not Applicable
CAS: Chemical Abstract Service	ND: Not Determined
CFR: Code of Federal Regulations	NIOSH: National Institute of Occupational Safety & Health
DOT: Department of Transportation	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
g/L: grams per Liter	OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System	PMCC: Pensky-Martens Closed Cup
IARC: International Agency for Research on Cancer	PPE: Personal Protection Equipment
IATA: International Air Transport Association	ppm: Parts per Million
ICAO: International Civil Aviation Organization	RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Dangerous Goods	STEL: Short Term Exposure Limit
IMO: International Maritime Organization	TCC: Tag Closed Cup
lbs./gal: pounds per gallon	TWA: Time Weighted Average
LC: Lethal Concentration	WHMIS: Workplace Hazardous Materials Information System
LD: Lethal Dose	