



**Chemical Name:** Multi-Purpose Lubricant

**Manufacturer:** Carquest

**Container size:** 9oz.

**Location:** VLA

**Disposal:** Place empty container in trash.



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Carquest Multi-Purpose Lubricant (aerosol)

**Product Number (s):** 1020 (CRC Part #09629)

**Product Use:** multi-purpose lubricant

### 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:** Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure.

Appearance & Odor: Amber liquid, mint odor

### Potential Health Effects:

**ACUTE EFFECTS:**

**EYE:** Contact may cause mild irritation including stinging, watering and redness.

**SKIN:** Contact may cause redness, itching, burning and skin damage. Prolonged or repeated contact can worsen irritation and lead to dermatitis. No harmful effects from skin absorption are expected.

**INHALATION:** Expected to have a low degree of toxicity by inhalation. High concentrations of vapors may be irritating to the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, and other central nervous system effects.

**INGESTION:** Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure: pre-existing dermatitis

See Section 11 for toxicology and carcinogenicity information on product ingredients.

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

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### **Section 3: Composition/Information on Ingredients**

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<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Hydrotreated light distillates	64742-47-8	65 – 75
Solvent-refined heavy paraffinic distillates	64741-88-4	15 – 25
Corrosion inhibitor blend	proprietary	5 – 15
Carbon dioxide	124-38-9	1 – 5

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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:** If swallowed, do NOT induce vomiting. Keep at rest. Get prompt medical attention.

**Note to Physicians:** This product is an aspiration hazard.

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### **Section 5: Fire-Fighting Measures**

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

Flash Point: 178°F / 81°C (TCC)	Upper Explosive Limit: 5.0
Autoignition Temperature: 500°F / 260°C	Lower Explosive Limit: 0.7

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** Foam, dry chemical, carbon dioxide or water spray

**Products of Combustion:** Oxides of carbon

**Explosion Hazards:** Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors may accumulate in a confined space 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.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

**Methods for Containment & Clean-up:** Remove sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

should wear appropriate 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:** Do not use near an open flame, heat or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid contact with skin. 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 / 49°C 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	
Hydrotreated light distillates	NE	NE	NE	NE	1200	mfr	mg/m <sup>3</sup>
Solvent-refined heavy paraffinic distillates	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Corrosion inhibitor blend	NE	NE	25	NE	NE		
Carbon dioxide	5000	30000(v)	5000	30,000	NE		ppm
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated      * – oil mist							

### **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 work 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. Use a self-contained breathing apparatus in confined spaces and for emergencies.

**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 neoprene. 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:** amber

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

Odor: mint  
Odor Threshold: ND  
Specific Gravity: 0.8199  
Initial Boiling Point: 380°F / 193°C  
Freezing Point: -105°F / -76°C  
Vapor Pressure: ND  
Vapor Density: > 2 (air = 1)  
Evaporation Rate: slow  
Solubility: negligible in water  
Coefficient of water/oil distribution: ND  
pH: NA  
Volatile Organic Compounds: wt %: 38.2 g/L: 313.2 lbs./gal: 2.6

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Temperature extremes, sources of ignition.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon, oxides of sulfur, hydrocarbons

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

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

### Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Hydrotreated light distillates	> 5 g/kg	> 2 g/kg	> 5 mg/L/4H
Solvent-refined heavy paraffinic distillates	> 2 g/kg	> 2 g/kg	No data
Corrosion inhibitor blend	No data	No data	No data
Carbon dioxide	No data	No data	470,000 ppm/30M

### Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Hydrotreated light distillates	No	No	No	No	No
Solvent-refined heavy paraffinic distillates	No	No	No	E & S (mild)	Unknown
Corrosion inhibitor blend	No	No	No	No	No
Carbon dioxide	No	No	No	No	No

E – Eye	S – Skin	R - Respiratory
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Reproductive Toxicity: No information available  
Teratogenicity: No information available  
Mutagenicity: No information available  
Synergistic Effects: No information available

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

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Other: Paraffinic distillates: Product testing using IP 346 shows a DMSO PAH content of < 3% by weight.

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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: Some ingredients are toxic to aquatic organisms.  
Persistence / Degradability: No information available  
Bioaccumulation / Accumulation: No information available  
Mobility in Environment: No information available

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## **Section 13: Disposal Considerations**

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**Waste Classification:** The dispensed liquid product is a not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Empty aerosol 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): Consumer Commodity, ORM-D  
ICAO/IATA (air): Consumer Commodity, ID8000, 9  
IMO/IMDG (water): Aerosols, UN1950, 2.1, Limited Quantity  
Special Provisions: None

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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	Yes

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

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Chronic Health Hazard No

**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: In states with Consumer Products VOC regulations, this product is compliant as a Multi-Purpose Lubricant.

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

**Canadian Regulations:**

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations 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

**Product Name: Carquest Multi-Purpose Lubricant (aerosol)**

**Product Number (s): 1020 (CRC Part #09629)**

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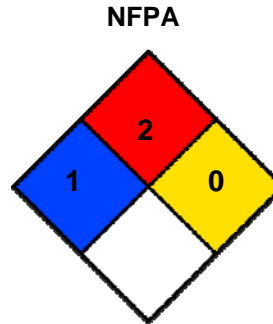
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## Section 16: Other Information

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HMIS® (II)	
Health:	1
Flammability:	2
Reactivity:	0
PPE:	B



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

Prepared By: Michelle Rudnick  
CRC #: 462E  
Revision Date: 01/23/2012

Changes since last revision: Section 9: odor

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  
CAS: Chemical Abstract Service  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
DSL: Domestic Substance List  
g/L: grams per Liter  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Dangerous Goods  
IMO: International Maritime Organization  
lbs./gal: pounds per gallon  
LC: Lethal Concentration  
LD: Lethal Dose

NA: Not Applicable  
ND: Not Determined  
NIOSH: National Institute of Occupational Safety & Health  
NFPA: National Fire Protection Association  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PMCC: Pensky-Martens Closed Cup  
PPE: Personal Protection Equipment  
ppm: Parts per Million  
RoHS: Restriction of Hazardous Substances  
STEL: Short Term Exposure Limit  
TCC: Tag Closed Cup  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Information System