



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Stor & Lube® Corrosion Inhibitor

**Product Number (s):** 02061

**Product Use:** Lubricant & Corrosion Inhibitor

### 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.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Appearance & Odor: Tan creamy liquid, petroleum solvent odor

### Potential Health Effects:

#### ACUTE EFFECTS:

**EYE:** May cause mild eye irritation. Symptoms include stinging, tearing and redness.

**SKIN:** Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, and cracking of the skin.

**INHALATION:** Expected to have a low degree of toxicity by inhalation. Breathing concentrated vapors may be harmful. Symptoms of overexposure include irritation of the nose and throat, headache, dizziness, drowsiness, loss of coordination and other signs of central nervous system depression.

**INGESTION:** Low degree of toxicity by ingestion. May cause irritation of digestive tract, nausea and vomiting. Main hazard is aspiration of material into lungs during swallowing or vomiting. This can lead to lung inflammation and damage.

**CHRONIC EFFECTS:** Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**TARGET ORGANS:** Kidneys, central nervous system

Medical Conditions Aggravated by Exposure: skin disorders, respiratory disorders

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.
Stoddard solvent	8052-41-3	35 – 45
Solvent refined heavy paraffinic distillates	64741-88-4	20 – 30
Hydrotreated light distillates	64742-47-8	10 – 20
Oil soluble calcium sulfonates	Proprietary	10 – 20
Carbon dioxide	124-38-9	2 - 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:** Do not induce vomiting. Contact a physician immediately. If victim is drowsy or unconscious, place individual on the left side with head down.

*Note to Physicians:* This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

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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: 126°F (TCC)	Upper Explosive Limit: 6.0 (estimate)
Autoignition Temperature: ND	Lower Explosive Limit: 1.0 (estimate)

#### **Fire and Explosion Data:**

**Suitable Extinguishing Media:** Foam, carbon dioxide, dry chemical; Class B fire extinguishers

**Products of Combustion:** Oxides of carbon, sulfur

**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

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sewers or storm drains.

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 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 sources of ignition. Do not use on energized equipment. Use with proper ventilation. Wash hands after use and before handling food. 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. For product use instructions, please see 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	
Stoddard solvent	500	NE	100	NE	NE		ppm
Solvent refined heavy paraffinic distillates	NE	NE	NE	NE	NE		
Hydrotreated light distillates	NE	NE	NE	NE	NE		
Oil soluble calcium sulfonates	NE	NE	NE	NE	NE		
Carbon dioxide	5000	NE	5000	30000	NE		ppm

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

### 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: tan, creamy  
Odor: petroleum solvent  
Odor Threshold: ND  
Specific Gravity: 0.843  
Initial Boiling Point: 300°F  
Freezing Point: ND  
Vapor Pressure: ND  
Vapor Density: > 4 (air = 1)  
Evaporation Rate: slow  
Solubility: insoluble in water  
Coefficient of water/oil distribution: ND  
pH: NA  
Volatile Organic Compounds: wt %: 43.7                      g/L: 368.4                      lbs./gal: 3.07

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## Section 10: Stability and Reactivity

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Stability: Stable  
Conditions to Avoid: Sources of ignition; temperature extremes  
Incompatible Materials: Strong oxidizing agents  
Hazardous Decomposition Products: oxides of carbon, sulfur  
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>
Stoddard solvent	> 5 mg/kg	> 3 mg/kg	> 1400 ppm/8H
Solvent refined heavy paraffinic distillates	No data	No data	No data
Hydrotreated light distillates	> 5 g/kg	> 2 g/kg	> 5 mg/L/4H
Oil soluble calcium sulfonates	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 E (mild) / S (mild)</u>	<u>Sensitizer</u>
Stoddard solvent	No	No	No	E (mild) / S (mild)	Unknown
Solvent refined heavy paraffinic distillates	No	No	No	No	Unknown
Hydrotreated light distillates	No	No	No	No	Unknown
Oil soluble calcium sulfonates	No	No	No	E (mild) / S (mild)	Unknown
Carbon dioxide	No	No	No	No	No

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E – Eye      S – Skin      R - Respiratory

Reproductive Toxicity:      No information available  
Teratogenicity:              No information available  
Mutagenicity:                 No information available  
Synergistic Effects:         No information 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 information available  
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 RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. Pressurized containers are a D003 reactive 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



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CRC #: 527F

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Changes since last revision: MSDS reformatted to meet the requirements of the Canadian Controlled Products Regulations.

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	