



# Material Safety Data Sheet

## Section 1: Product & Company Identification

Product Name: HF™ Contact Cleaner (Bulk)

Product Number (s): 02126

### Manufactured By:

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Clear liquid, slight hydrocarbon odor

### DANGER

Harmful or Fatal if Swallowed.

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

### Potential Health Effects:

EYE: May cause mild irritation, redness and tearing. Not expected to be an eye irritant.

SKIN: May cause mild irritation with extended contact. Not expected to be a skin irritant. No harmful effects from skin absorption have been reported.

INHALATION: Expected to have a low degree of toxicity by inhalation. Effects of overexposure may include irritation of the nose and throat, transient excitation followed by signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

INGESTION: Low degree of toxicity by ingestion. May cause irritation of the digestive tract, nausea and vomiting. Main hazard is aspiration of material into lungs during swallowing or vomiting. This can lead to chemical pneumonitis (inflammation of the lungs) and possible death.

CHRONIC EFFECTS: Inadequate evidence available to evaluate cancer hazard. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TARGET ORGANS: No data available

Medical Conditions Aggravated by Exposure: skin disorders, respiratory (asthma-like) disorders

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

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

COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated light distillate	64742-47-8	90 – 100

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**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:** Do NOT induce vomiting or give anything by mouth due to aspiration hazard. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. Contact a physician immediately.
- Note to Physicians:* Aspiration hazard. Treat symptomatically.

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**Section 5: Fire-Fighting Measures**

**Flammable Properties:** As defined by OSHA, this material is a Class IIIB Combustible Liquid.

Flash Point:	205 F (PMCC)	Upper Explosive Limit:	5.0
Autoignition Temperature:	ND	Lower Explosive Limit:	0.7

**Suitable Extinguishing Media:** Dry chemical, carbon dioxide, foam or water spray is recommended

**Products of Combustion:** Oxides of carbon

**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. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

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**Section 6: Accidental Release Measures**

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

**Section 7: Handling and Storage**

**Handling Procedures:** Do not use near possible sources of ignition. Provide ventilation during use. Avoid inhaling vapors. Avoid contact with skin and eyes. Use caution in confined spaces. Wash hands after use and before consuming food.

**Storage Procedures:** Store in a cool dry area out of direct sunlight. Keep containers closed when not in use. Make sure storage area is properly ventilated. Keep away from incompatible materials.

**Aerosol Storage Level:** NA

**Section 8: Exposure Controls/Personal Protection**

**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Hydrotreated light distillate	NE	NE	NE	NE	NE		
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

**Engineering Controls:** Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. 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. Use a NIOSH-approved cartridge respirator with organic vapor cartridge if vapors exceed exposure limits. 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.

**Section 9: Physical and Chemical Properties**

**Physical State:** liquid

**Color:** clear

**Odor:** slight hydrocarbon

**Specific Gravity:** 0.79

**Initial Boiling Point:** 435 F

**Freezing Point:** ND

**Vapor Pressure:** < 0.01 mmHg @ 68 F

**Vapor Density:** 4.5 (air = 1)

**Evaporation Rate:** < 1 (butyl acetate = 1)

**Solubility:** insoluble in water

pH: NA

Volatile Organic Compounds: wt %: 0 g/L: 0 lbs./gal: 0

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**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Potential sources of ignition; temperature extremes

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon

Possibility of Hazardous Reactions: No

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**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 EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Hydrotreated light distillate	LD50	> 5 g/kg	Oral	Rat
Hydrotreated light distillate	LC50	> 5 mg/L/4H	Inhalation	Rat
Hydrotreated light distillate	LD50	> 2 g/kg	Dermal	Rabbit

**CHRONIC EFFECTS**

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No data available

Other: None

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**Section 12: Ecological Information**

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

Ecotoxicity: hydrotreated light distillate - 96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]

Persistence / Degradability: No data available

Bioaccumulation / Accumulation: No data available

Mobility in Environment: No data available

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**Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). If this material is mixed with other materials, the resulting waste should be evaluated for waste classification. Empty containers may be recycled.

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

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**Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

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**Section 15: Regulatory Information**

**U.S. Federal**

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	No
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	No
	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

**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

**State Right to Know:**

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

**Additional Regulatory Information:** This product complies with California's Consumer Products VOC regulations as an Electronic Cleaner.

**Section 16: Other Information**

NFPA: Health: 1 Flammability: 1 Reactivity: 0  
 HMIS: Health: 1 Flammability: 1 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
 CRC #: 493A  
 Revision Date: 01/4/2007

Changes since last revision: New formula

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.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		