



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Stainless Steel Cleaner Wipes

**Product Number (s):** 04103

**Product Use:** Stainless steel cleaner

### 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:** Combustible. Harmful or Fatal if Swallowed.

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

Appearance & Odor: Colorless liquid with a citrus odor saturated on a towel.

### Potential Health Effects:

**ACUTE EFFECTS:**

**EYE:** May cause eye irritation including redness, tearing or burning.

**SKIN:** May cause skin irritation including drying, redness and cracking of the skin.

**INHALATION:** May be harmful if inhaled. Overexposure to vapors may cause drowsiness, dizziness, loss of coordination or fatigue.

**INGESTION:** Not likely as product is a saturated towel. If free liquid is ingested, may cause nausea, diarrhea, 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:** None known

**TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure: Pre-existing skin and respiratory conditions

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.
Isoparaffinic Hydrocarbon	64742-47-8	30 – 60
Mineral Oil	8042-47-5	15 – 40
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10 – 30
D-Limonene	5989-27-5	3 – 7

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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: Call a physician or poison control center immediately. Do not induce vomiting unless directed by a physician or poison control center. Never give anything by mouth to an unconscious person.

*Note to Physicians:* Treat symptomatically.

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**Section 5: Fire-Fighting Measures**

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**Flammable Properties:** As defined by OSHA, this product is a Class IIIA Combustible liquid.  
Flash Point: 160°F (PMCC) Upper Explosive Limit: ND  
Autoignition Temperature: ND Lower Explosive Limit: ND

**Fire and Explosion Data:**

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam or water fog. Fire may float as if an oil fire.

Products of Combustion: Oxides of carbon, smoke, soot and various organic oxidation by-products

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

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: Wipe up any free liquid with a dry absorbent cloth or other absorbent material. Ventilate area to remove vapors. Prevent material from entering sewers and drains. Transfer absorbents into suitable container for proper disposal.

**Section 7: Handling and Storage**

**Handling Procedures:** Do not use near sources of ignition. Do not swallow – liquid is an aspiration hazard. Do not get into eyes. Wash thoroughly after handling. Avoid contact with skin and clothing. Avoid inhaling mists or vapors. Do not smoke while using. Use only with adequate ventilation. Follow good chemical hygiene practices when handling this material. Follow label directions carefully. For product use instructions, please see the product label.

**Storage Procedures:** Keep out of reach of children. Store in a cool, well-ventilated area. Keep away from heat sources. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage.

**Aerosol Storage Level:** NA

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

**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Isoparaffinic Hydrocarbon	NE	NE	NE	NE	NE		
Mineral Oil	5	NE	5	NE	NE		mg/m <sup>3</sup>
Naphtha (petroleum), hydrotreated heavy	NE	NE	NE	NE	117	mfr	ppm
D-Limonene	NE	NE	NE	NE	NE		

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

mfr – manufacturer’s recommendation

**Controls and Protection:**

**Engineering Controls:** Area should have ventilation to provide fresh air. 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.

**Eye/face Protection:** Wear approved safety glasses or goggles if direct contact is possible.

**Skin Protection:** Not usually necessary. If repeated or prolonged contact is possible use protective gloves such as nitrile or rubber.

**Section 9: Physical and Chemical Properties**

**Physical State:** Liquid saturated on a towel

**Color:** colorless

**Odor:** citrus

**Odor Threshold:** ND

**Specific Gravity:** 0.791

**Initial Boiling Point:** 370°F

**Freezing Point:** ND

**Vapor Pressure:** ND

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

Evaporation Rate: slow  
 Solubility: negligible  
 Coefficient of water/oil distribution: ND  
 pH: NA  
 Volatile Organic Compounds: wt %: 22.9                      g/L: 181.1                      lbs./gal: 6.59

## Section 10: Stability and Reactivity

Stability: Stable  
 Conditions to Avoid: Temperature extremes, sources of ignition  
 Incompatible Materials: Strong alkalis, acids, oxidizers and selected amines  
 Hazardous Decomposition Products: Oxides of carbon, smoke, soot and various organic oxidation by-products  
 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)
Isoparaffinic Hydrocarbon	> 5 g/kg	> 2 g/kg	> 5 mg/L/4H
Mineral Oil	> 5 g/kg	> 2 g/kg	> 5 mg/L
Naphtha (petroleum), hydrotreated heavy	> 5 g/kg	> 3160 mg/kg	8500 mg/m <sup>3</sup> /4H
D-Limonene	4400 mg/kg	> 5 g/kg	No data

**Chronic Toxicity:**

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant	Sensitizer
Isoparaffinic Hydrocarbon	No	No	No	S (mild)	Unknown
Mineral Oil	No	No	No	No	Unknown
Naphtha (petroleum), hydrotreated heavy	No	No	No	No	Unknown
D-Limonene	No	No	No	E (moderate) / S (moderate) / R (mild)	Yes

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

## 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 information available  
 Persistence / Degradability: No information available  
 Bioaccumulation / Accumulation: No information available  
 Mobility in Environment: No information available

## **Section 13: Disposal Considerations**

**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
 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): Not Regulated  
 ICAO/IATA (air): Not Regulated  
 IMO/IMDG (water): Not Regulated  
 Special Provisions: None

## **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	No
	Acute Health Hazard	Yes
	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

**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 Metal Cleanser.

State Right to Know:

New Jersey: 64742-47-8, 8042-47-5  
Pennsylvania: 64742-47-8, 8042-47-5  
Massachusetts: 64742-47-8, 8042-47-5  
Rhode Island : 64742-47-8, 8042-47-5

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: B3

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

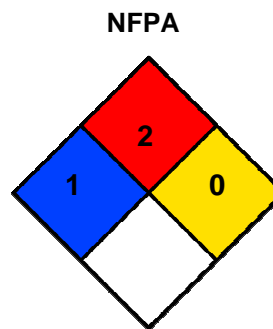
European Union Regulations:

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

**Section 16: Other Information**

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



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

Prepared By: Michelle Rudnick  
CRC #: 04103  
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Changes since last revision: New Product

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