



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Dri-Kleen™ Foaming Waterless Hand Cleaner

Product Number (s): 05506

Product Use: hand cleaner

Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

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

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

52-444-824-1666

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

Section 2: Hazards Identification

Emergency Overview

DANGER: Harmful or Fatal if Swallowed. Contents Under Pressure
Appearance & Odor: White foam, cherry odor

Potential Health Effects:

ACUTE EFFECTS:

EYE: Contact with foam may cause irritation. Concentrated vapors may irritate eyes.

SKIN: None expected

INHALATION: Intentional misuse by deliberately concentrating and inhaling the contents of the can may be harmful or fatal.

INGESTION: Minimal symptoms expected. Main hazard is the aspiration of liquid into the lungs during swallowing or vomiting.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: None known

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

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	50 - 75
Hydrotreated light distillate	64742-47-8	10 – 15
Mineral oil	8042-47-5	5 – 10
Hydrocarbon propellant	68476-85-7	5 – 10
Triethanolamine	102-71-6	1 – 5
Propylene glycol	57-55-6	1 - 2

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: If irritation develops, flush with water.

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.

Note to Physicians: None

Section 5: Fire-Fighting Measures

Flammable Properties: The dispensed foam is water-based but contains some flammable components that may flash off in the presence of a source of ignition. The foam will not sustain combustion. This product does not have a flame extension since it dispenses as a foam.

Flash Point: ND	Upper Explosive Limit: 10.0
Autoignition Temperature: ND	Lower Explosive Limit: 1.0

Fire and Explosion Data:

Suitable Extinguishing Media: As appropriate for surrounding materials

Products of Combustion: Oxides of carbon

Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode.

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.

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 storm drains.

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Methods for Containment & Clean-up: Wipe up excess material with a cloth. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Do not use near open flames or other sources of ignition. Some components of the foam may flash off if exposed to a source 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. 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: I

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
Hydrotreated light distillate	NE	NE	NE	NE	NE		
Mineral oil	5*	NE	5*	NE	NE		mg/m ³
Hydrocarbon propellant	1000	NE	1000	NE	NE		ppm
Triethanolamine	NE	NE	5	NE	NE		mg/m ³
Propylene glycol	NE	NE	NE	NE	10	AIHA	mg/m ³
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated * - oil mist							

Controls and Protection:

Engineering Controls: None required.

Respiratory Protection: None required where normal ventilation is provided.

Eye/face Protection: None required for normal use, but contact of foam with eyes should be avoided.

Skin Protection: None required.

Section 9: Physical and Chemical Properties

Physical State: concentrate in can: liquid
dispensed product: foam

Color: white

Odor: cherry

Odor Threshold: ND

Specific Gravity: 0.9

Initial Boiling Point: 212 F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

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Evaporation Rate: slow
Solubility: soluble in water
Coefficient of water/oil distribution: ND
pH: 7
Volatile Organic Compounds: wt %: 7.5 g/L: 67.5 lbs./gal: 0.56

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: excessive heat, ignition sources, open flames
Incompatible Materials: none known
Hazardous Decomposition Products: oxides of carbon
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:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Water	No data	No data	No data
Hydrotreated light distillate	> 5 g/kg	> 2 g/kg	> 5 mg/L/4H
Mineral oil	> 5 g/kg	No data	No data
Hydrocarbon propellant	No data	No data	No data
Triethanolamine	4190 mg/kg	> 2 g/kg	No data
Propylene glycol	20 g/kg	20,800 mg/kg	No data

Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Water	No	No	No	No	No
Hydrotreated light distillate	No	No	No	No	Unknown
Mineral oil	No	No	No	No	No
Hydrocarbon propellant	No	No	No	No	No
Triethanolamine	No	No	No	mild (E & S)	Unknown
Propylene glycol	No	No	No	mild (E & S)	Unknown

E – Eye S – Skin R - Respiratory

Reproductive Toxicity: No data available
Teratogenicity: No data available
Mutagenicity: No data available
Synergistic Effects: No data available

Section 12: Ecological Information

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

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Ecotoxicity: No data available
Persistence / Degradability: No data available
Bioaccumulation / Accumulation: No data available
Mobility in Environment: No data available

Section 13: Disposal Considerations

Waste Classification: The dispensed liquid product is not a hazardous waste. Pressurized containers may be 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.

Section 14: Transport Information

US DOT (ground): Consumer Commodity, ORM-D
ICAO/IATA (air): Consumer Commodity, ID8000, 9
IMO/IMDG (water): Aerosols, UN1950, 2.2, Limited Quantity
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	No
	Reactive Hazard	No
	Release of Pressure	Yes
	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

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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 compliant as a Heavy Duty Hand Cleaner or Soap.

State Right to Know:

New Jersey: None
Pennsylvania: 102-71-6, 57-55-6
Massachusetts: None
Rhode Island : 102-71-6, 57-55-6

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

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

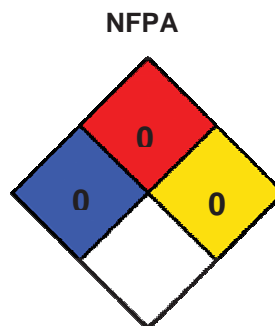
European Union Regulations:

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:	0
Flammability:	0
Reactivity:	0
PPE:	B



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

Prepared By: Michelle Rudnick
CRC #: 05506
Revision Date: 01/26/2010

Changes since last revision: New product

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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	