



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Disinfecting Wipes

Product Number (s): 04101

Product Use: Disinfecting 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

CAUTION: May Cause Eye or Skin Irritation.

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

Appearance & Odor: Clear colorless liquid with a lemon-lime scent impregnated on a towel.

Potential Health Effects:

ACUTE EFFECTS:

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

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

INHALATION: Not expected to cause health effects.

INGESTION: May cause irritation of the throat, stomach and gastrointestinal tract. May also cause nausea and diarrhea if free liquid is swallowed.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: Pre-existing skin conditions

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	60 – 100
Diethylene glycol monobutyl ether	112-34-5	5 – 10
Tetrasodium ethylenediaminetetraacetate	64-02-8	3 – 7
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105
Alkyl dimethyl ethylbenzyl ammonium chloride (68% C12, 32% C14)	85409-43-0	0.105

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 unless directed by a physician. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, call a physician or poison control center immediately.

Note to Physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is non-flammable.

Flash Point:	None	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

Fire and Explosion Data:

Suitable Extinguishing Media:	Not usually necessary as this product does not readily support combustion. Use extinguishing agent appropriate for fire's fuel source.
Products of Combustion:	Carbon dioxide, carbon monoxide, hydrocarbons, oxides of nitrogen, ammonia and soot
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.

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: Wipe up free liquid with a dry absorbent cloth or other absorbent material. Ventilate area. Transfer absorbents into suitable container for proper disposal.

Section 7: Handling and Storage

Handling Procedures: Do not allow the towel to have direct contact with eyes. Avoid contact with skin. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Do not contaminate water, food or feed by use or storage. Follow label directions carefully.

Storage Procedures: Store in a cool, dry, well ventilated area. Avoid freezing or excessive heat. Keep out of reach of children. Keep container tightly sealed when not in use.

Aerosol Storage Level: NA

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		
Diethylene glycol monobutyl ether	NE	NE	NE	NE	NE		
Tetrasodium ethylenediaminetetraacetate	NE	NE	NE	NE	NE		
Alkyl dimethyl benzyl ammonium chloride (C12-18)	NE	NE	NE	NE	NE		
Alkyl dimethyl ethylbenzyl ammonium chloride (68% C12, 32% C14)	NE	NE	NE	NE	NE		
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Use mechanical means if necessary to reduce vapor levels. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided.

Eye/face Protection: If direct contact is possible, wear approved safety glasses.

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

Section 9: Physical and Chemical Properties

Physical State: liquid impregnated on a towel

Color: clear, colorless

Odor: lemon-lime

Odor Threshold: ND

Specific Gravity: 1.009

Initial Boiling Point: 212°F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: slow
 Solubility: soluble
 Coefficient of water/oil distribution: ND
 pH: 11.7
 Volatile Organic Compounds: wt %: 0.01 g/L: 0.13 lbs./gal: 0.0008

Section 10: Stability and Reactivity

Stability: Stable
 Conditions to Avoid: Temperature extremes
 Incompatible Materials: Strong oxidizers
 Hazardous Decomposition Products: Upon decomposition, this product may yield oxides of nitrogen and ammonia.
 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	> 90 mL/kg	No data	No data
Diethylene glycol monobutyl ether	4500 mg/kg	2700 mg/kg	No data
Tetrasodium ethylenediaminetetraacetate	10 g/kg	No data	No data
Alkyl dimethyl benzyl ammonium chloride (C12-18)	No data	No data	No data
Alkyl dimethyl ethylbenzyl ammonium chloride (68% C12, 32% C14)	No data	No data	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
Diethylene glycol monobutyl ether	No	No	No	E (severe)	Unknown
Tetrasodium ethylenediaminetetraacetate	No	No	No	E (severe) / S (mild) / R (mild)	Unknown
Alkyl dimethyl benzyl ammonium chloride (C12-18)	No	No	No	Unknown	Unknown
Alkyl dimethyl ethylbenzyl ammonium chloride (68% C12, 32% C14)	No	No	No	Unknown	Unknown

E – Eye S – Skin R - Respiratory

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: Toxic to fish and other aquatic organisms.
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	No
	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: trace amounts of nitrilotriacetic acid

Consumer Products VOC Regulations: This product is compliant in the category of 'Non-aerosol Disinfectant'

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: D2B, E

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

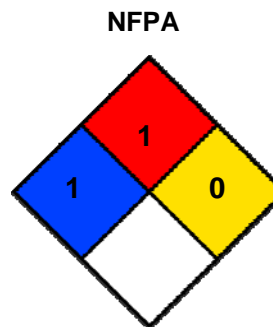
European Union Regulations:

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: EPA Registration # 1839-174-55809. This product is registered in all 50 United States and Puerto Rico. CRC® Disinfecting Wipes are not registered and cannot be sold outside of the United States and Puerto Rico.

Section 16: Other Information

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



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

Prepared By: Michelle Rudnick
CRC #: 04101
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Changes since last revision: Section 15: Additional Regulatory Information revised

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	