



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Mechanix Orange™ Citrus Lotion Hand Cleaner w/Pumice

Product Number (s): SL1712, SL1717, SL1719

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

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

Appearance & Odor: Viscous gray gel, citrus fragrance

Potential Health Effects:

ACUTE EFFECTS:

EYE: Product contains pumice, an abrasive, which may cause irritation to eyes.

SKIN: No irritation expected under normal usage. Persons sensitized to d-limonene may have a reaction when exposed to this product.

INHALATION: No health effects expected.

INGESTION: Ingestion of small quantities usually not serious unless aspiration occurs. Ingestion of large quantity may require immediate medical attention.

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.

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Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	30 - 60
Pumice	1332-09-8	< 10
D-Limonene	5989-27-5	< 8.0
Methyl Ester Soybean Oil	67784-80-9	< 5.0
Nonionic Surfactant (Alkylphenol ethoxylate)	9016-45-9	< 5.0
Stabilized Tall Oil Acid (Fatty acid)	61790-12-3	< 5.0

Section 4: First Aid Measures

Eye Contact: Do not rub eyes. Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Not irritating under normal usage. Wash off with water or wipe off with a towel.

Inhalation: Remove person to fresh air. Contact a physician if health effects are experienced.

Ingestion: Do not induce vomiting. If vomiting occurs, lower head below knees to avoid aspiration. Contact 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 nonflammable.

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

Fire and Explosion Data:

Suitable Extinguishing Media: CO₂, water fog, foam, dry chemicals

Products of Combustion: None known

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. This product is not considered detrimental to sewers and septic systems under normal usage.

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Methods for Containment & Clean-up: For small spills, wipe up spilled material with paper towel. For larger spills, remove spilled material with a shovel or other suitable device. Wash contaminated area with soap and water. Repeat washing until area is no longer slippery. Allow to dry.

Section 7: Handling and Storage

Handling Procedures: Close containers when not in use. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep out of reach of children. Containers should be tightly closed while in storage.

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		
Pumice	NE	NE	NE	NE	NE		
D-Limonene	NE	NE	NE	NE	30	AIHA	ppm
Methyl Ester Soybean Oil	NE	NE	NE	NE	NE		
Nonionic Surfactant (Alkylphenol ethoxylate)	NE	NE	NE	NE	NE		
Stabilized Tall Oil Acid (Fatty acid)	NE	NE	NE	NE	NE		
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Controls and Protection:

Engineering Controls: If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal conditions of use.

Eye/face Protection: None required for normal conditions of use. Where there is reasonable probability of material contacting eyes, wear splash-proof goggles.

Skin Protection: None required.

Section 9: Physical and Chemical Properties

Physical State: viscous gel

Color: gray

Odor: citrus

Odor Threshold: ND

Specific Gravity: 0.94 – 1.2

Initial Boiling Point: ND

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: ND (air = 1)

Evaporation Rate: slow

Solubility: ND

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Coefficient of water/oil distribution: ND

pH: 6 – 7.8

Volatile Organic Compounds: wt %: 6.5 g/L: 69.55 lbs./gal: 0.58

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Avoid freezing.

Incompatible Materials: None known

Hazardous Decomposition Products: None known

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
Pumice (an abrasive)	No data	No data	No data
D-Limonene	4400 mg/kg	> 5 g/kg	No data
Methyl Ester Soybean Oil	No data	No data	No data
Nonionic Surfactant (Alkylphenol ethoxylate)	4000 mg/kg	No data	No data
Stabilized Tall Oil Acid (Fatty acid)	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
Pumice (an abrasive)	No	No	No	E (mild) / S (mild) / R (mild)	Unknown
D-Limonene	No	No	No	E (moderate) / S (moderate)	Unknown
Methyl Ester Soybean Oil	No	No	No	No	Unknown
Nonionic Surfactant (Alkylphenol ethoxylate)	No	No	No	E (moderate) / S (moderate) / R (moderate)	Unknown
Stabilized Tall Oil Acid (Fatty acid)	No	No	No	Unknown	Unknown

E – Eye	S – Skin	R - Respiratory
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Reproductive Toxicity: No information availableTeratogenicity: No information availableMutagenicity: No information availableSynergistic Effects: No information available

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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: No information available
Persistence / Degradability: Biodegradable
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	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

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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 Heavy Duty Hand Cleaner.

State Right to Know:

New Jersey: None
Pennsylvania: 102-71-6, 8006-54-0
Massachusetts: None
Rhode Island : 102-71-6, 8006-54-0

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: Not Regulated

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

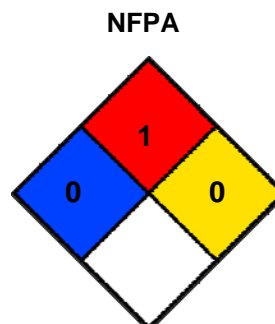
European Union Regulations:

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:	1
Reactivity:	0
PPE:	B



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

Prepared By: Michelle Rudnick
CRC #: 05419CRC
Revision Date: 05/18/2009

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

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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		