CRC

SAFETY DATA SHEET

1. Identification

Product identifier Mechanix Orange™ Citrus Lotion Hand Cleaner w/Pumice

Other means of identification

Product code SL1712, SL1719
Recommended use Hand cleaner
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

Company name CRC Industries, Inc. Address 885 Louis Dr.

Warminster, PA 18974 US

Telephone

General Information 215-674-4300 **Technical** 800-521-3168

Assistance

 Customer Service
 800-272-4620

 24-Hour Emergency
 800-424-9300 (US)

(CHEMTREC) 703-527-3887 (International)
Website www.crcindustries.com

2. Hazard(s) identification

Physical hazards Not classified.

Health hazardsSerious eye damage/eye irritationCategory 2BEnvironmental hazardsHazardous to the aquatic environment, acuteCategory 2

hazard

Hazardous to the aquatic environment, Category 2

long-term hazard

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word Warning

Hazard statement Causes eye irritation.

Precautionary statement

Prevention Wash hands thoroughly after handling.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Protect from sunlight. Store in a well-ventilated place.

Disposal Dispose of contents/container in accordance with local/regional/national regulations.

Hazard(s) not otherwise

classified (HNOC)

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Supplemental information

13.3% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 13.3% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Polyethylene glycol monoundecyl		34398-01-1	>= 2.5
Glycerine		56-81-5	>= 1
Propylene glycol		57-55-6	>= 1
lodopropynyl butylcarbamate		55406-53-6	>= 0.1
Titanium dioxide		13463-67-7	>= 0.1

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Irritation of eyes and mucous membranes.

Skin contact Wash off with water.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important

General information

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed

Provide general supportive measures and treat symptomatically.

Do not use water jet as an extinguisher, as this will spread the fire.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire-fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

During fire, gases hazardous to health may be formed.

General fire hazards No unusual fire or explosion hazards noted.

Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Environmental precautions

In case of spills, beware of slippery floors and surfaces. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Stop the flow of material, if this is without risk. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling

Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. When using do not smoke. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities Keep away from heat and sources of ignition. Keep container tightly closed. Store in a cool, dry place out of direct sunlight.

8. Exposure controls/personal protection

Occupational exposure limits

Biological limit values

Components	Туре	Value	Form
Glycerine (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction
		15 mg/m3	Total dust.
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. ACGIH Threshold Limit Value	s		
Components	Туре	Value	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
IIC AILIA Warkalaga Environmen	tal Exposura Loval (MEEL) Guida	_	

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components	Туре	Value	Form
Propylene glycol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.

No biological exposure limits noted for the ingredient(s). Material name: Mechanix Orange™ Citrus Lotion Hand Cleaner w/Pumice

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide

eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses.

Skin protection

Hand protection Not normally needed.

Other Not available.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Air monitoring is needed to

determine actual employee exposure levels.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical stateLiquid.FormLotion.ColorWhite.OdorCitrus.

Odor threshold Not available.

pH 6.7

Melting point/freezing point 32 °F (0 °C)

Initial boiling point and boiling

range

212 °F (100 °C) estimated

Flash point > 210 °F (> 98.9 °C) Pensky-Martens Closed Cup

Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower

2.6 % estimated

(%)

Flammability limit - upper

12.6 % estimated

(%)

Vapor pressure47.5 hPa estimatedVapor densityNot available.Relative density1 (air = 1)

Solubility (water) Soluble (liquid portion)

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

700 °F (371.1 °C) estimated

Decomposition temperature Not available.

Viscosity (kinematic) Not available.

Percent volatile 83.2 % estimated

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, sparks and open flame.

Incompatible materials None known.

Hazardous decomposition

products

No hazardous decomposition products are known.

Material name: Mechanix Orange™ Citrus Lotion Hand Cleaner w/Pumice
1148 Version #: 02 Revision date: 02-07-2014 Issue date: 10-21-2013

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard. Prolonged inhalation may be harmful. Inhalation

Skin contact Repeated exposure may cause skin dryness or cracking.

Eve contact Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Not available. **Acute toxicity**

Product Species Test Results

Mechanix Orange™ Citrus Lotion Hand Cleaner w/Pumice

Acute

Inhalation

LC50 Rabbit 1252.9945 mg/l, 4 hours estimated

Oral

LD50 Rat 320.0857 g/kg estimated

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye

Causes eye irritation.

irritation

Not available. Respiratory sensitization

Skin sensitization This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Not an aspiration hazard. **Aspiration hazard**

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Aquatic Crustacea

Fish

s Lotion Hand C	Species Cleaner w/Pumice	Test Results
	Cleaner w/Pumice	
EC50	Daphnia	49.9232 mg/l, 48 hours estimated
LC50	Fish	14.3141 mg/l, 96 hours estimated
	Species	Test Results
LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	51000 - 57000 mg/l, 96 hours
ate (CAS 55406	6-53-6)	
LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.05 - 0.089 mg/l, 96 hours
	LC50 ate (CAS 55406 LC50	Species LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) ate (CAS 55406-53-6) LC50 Rainbow trout,donaldson trout

Water flea (Daphnia magna)

Fathead minnow (Pimephales promelas) 3.2 - 5 mg/l, 96 hours

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EC50

LC50

1.6 - 2.5 mg/l, 48 hours

Components Species Test Results

Propylene glycol (CAS 57-55-6)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) > 10000 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 710 mg/l, 96 hours

Titanium dioxide (CAS 13463-67-7)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) > 1000 mg/l, 48 hours
Fish LC50 Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Glycerine -1.76 Propylene glycol -0.92

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal of waste from

Dispose of contents/container in accordance with local/regional/national regulations.

residues / unused products

Hazardous waste code Not regulated.

Contaminated packaging Not available.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

CERCLA Hazardous Substances: Reportable quantity

Not listed.

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.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Food and Drug Not regulated.

Administration (FDA)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Nο

Section 311/312 Immediate Hazard - Yes
Hazard categories Delayed Hazard - Yes
Fire Hazard - No

Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

US state regulations

US. New Jersey RTK - Substances: Listed substance

Glycerine (CAS 56-81-5)

Iodopropynyl butylcarbamate (CAS 55406-53-6)

Propylene glycol (CAS 57-55-6) Titanium dioxide (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

Glycerine (CAS 56-81-5)

US. Pennsylvania RTK - Hazardous Substances

Glycerine (CAS 56-81-5) Propylene glycol (CAS 57-55-6) Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

None.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR

51.100(s))

Consumer products (40 CFR 59, Subpt. C)

Not regulated

Inventory name

State

Consumer products This product is regulated as a Heavy Duty Hand Cleaner (non-aerosol). This product is compliant

for use in all 50 states.

VOC content (CA) 0 % VOC content (OTC) 0 %

International Inventories

Country(s) or region

Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date 10-21-2013
Revision date 02-07-2014
Prepared by Allison Cho
Version # 02

Further information Not available.

On inventory (yes/no)*

HMIS® ratings Health: 1*

Flammability: 1 Physical hazard: 0 Personal protection: A

NFPA ratings Health: 1

Flammability: 1 Instability: 0

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professional, or CRC Industries.