



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation	Mechanix Orange Citrus Lotion Hand Cleaner w/Pumice
Use of the substance/preparation	Hand cleaner
Version #	01
Product code	SL1719M
Manufacturer	
Company name	CRC Industries, Inc.
Address	885 Louis Dr. Warminster, PA 18974 US
Telephone	
General Information	215-674-4300
Technical Assistance	800-521-3168
Customer Service	800-272-4620
24-Hour Emergency (CHEMTREC)	800-424-9300 (US) 703-527-3887 (International)
Website	www.crcindustries.com

2. HAZARDS IDENTIFICATION

Classification	R52/53
Physical hazards	Not classified as a physical hazard.
Health hazards	Not classified as a health hazard.
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards	Irritating to eyes. Prolonged exposure may cause chronic effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Polyethylene glycol monoundecyl	34398-01-1	>= 2.5
Citrus Aurantium Dulcis Peel Extract	8028-48-6	>= 0.1
Iodopropynyl butylcarbamate	55406-53-6	>= 0.1

4. FIRST AID MEASURES

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. Get medical attention if irritation develops and persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Alcohol resistant foam. Water spray. Dry chemical powder. Carbon dioxide (CO ₂).
Extinguishing media which must not be used for safety reasons	Do not use water jet as an extinguisher, as this will spread the fire.
Special protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Containment procedures	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.
Personal precautions	Keep unnecessary personnel away. Ensure adequate ventilation. In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8 of the MSDS.

Methods for cleaning up

This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes. Provide adequate ventilation. When using do not smoke. For product usage instructions, please see the product label.

Storage

Store in original tightly closed container. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Malaysia. OELs. (Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations)

Components	Type	Value	Form
Glycerine (CAS 56-81-5)	TWA	10 mg/m ³	Mist.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Glycerine (CAS 56-81-5)	TWA	10 mg/m ³	Mist.

Recommended monitoring procedures

Additional exposure data Not available.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Air monitoring is needed to determine actual employee exposure levels.

Hand protection Not normally needed.

Eye protection Safety glasses.

Skin and body protection Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance**Physical state**

Liquid.

Form

Lotion.

Color

White.

Odor

Citrus.

Odor threshold

Not available.

pH

6.7

Vapor pressure

47.5 hPa estimated

Vapor density

Not available.

Boiling point

212 °F (100 °C) estimated

Melting point/Freezing point

32 °F (0 °C)

Solubility (water)

Soluble (liquid portion)

Specific gravity

1

Relative density

Not available.

Flash point

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

Flammability limits in air, upper, % by volume

12.6 % estimated

Flammability limits in air, lower, % by volume

2.6 % estimated

Auto-ignition temperature

700 °F (371.1 °C) estimated

Percent volatile

79 % estimated

10. STABILITY AND REACTIVITY

Conditions to avoid	Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point.
Hazardous decomposition products	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Product	Species	Test Results
Mechanix Orange Citrus Lotion Hand Cleaner w/Pumice		
Acute		
<i>Inhalation</i>		
LC50	Rabbit	1314.7721 mg/l, 4 hours, estimated
<i>Oral</i>		
LD50	Rat	335.8211 g/kg, estimated

* Estimates for product may be based on additional component data not shown.

Acute toxicity	Causes eye irritation.
Chronic toxicity	Repeated exposure may cause skin dryness or cracking.
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Product	Species	Test Results
Mechanix Orange Citrus Lotion Hand Cleaner w/Pumice		
Crustacea	EC50 Daphnia	52.3718 mg/l, 48 hours, estimated
Fish	LC50 Fish	15.0177 mg/l, 96 hours, estimated

Components	Species	Test Results
Iodopropynyl butylcarbamate (CAS 55406-53-6)		
Aquatic		
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.05 - 0.089 mg/l, 96 hours
Polyethylene glycol monoundecyl (CAS 34398-01-1)		
Aquatic		
Crustacea	EC50 Water flea (Daphnia magna)	1.6 - 2.5 mg/l, 48 hours
Fish	LC50 Fathead minnow (Pimephales promelas)	3.2 - 5 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Bioaccumulation

Mobility	This product is miscible in water.
-----------------	------------------------------------

13. DISPOSAL CONSIDERATIONS

Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal of waste from residue/unused products	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Not available.

14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Labeling

R-phrase(s) R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) None.

Follow national regulation for work with chemical agents.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
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	No

*A "Yes" indicates this product complies 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

Wording of the R-phrases in sections 2 and 3

R10 Flammable.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

Disclaimer

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 (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.

Prepared by

Allison Cho

Issue date

07-08-2013