

REC'D AUG 03 1998

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fast Orange(R) Pumice Lotion Hand Cleaner
 With Corn Huskers Lotion(R)
 Item No.: 25108/a5a18
 Part No.: 25-108/a5-118
 Product Type: Industrial Waterless Handcleaner

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2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Water	7732-18-5	70-80
Pumice	1332-09-8	5-10
Terpenes and terpenoids, sweet orange-oil	68647-72-3	5-10
d-Limonene	5989-27-5	***
PO/EO linear C6-12 Alcohol	68154-97-2	1-5
Triethanolamine	0102-71-6	0.1-1
SILICA, QUARTZ	014808-60-7	0.1-1

50V00005
 50V00012

***d-Limonene is a major fraction of the sweet orange oil terpenes/terpenoids.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Pumice	10 mg/m3 total	15 mg/m3 total 5 mg/m3 resp.	None
SILICA, QUARTZ	0.1 mg/m3 TWA	0.1 mg/m3 TWA	None
	respirable dust	respirable dust	

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

Toxicity:
 Primary Routes of Entry: Skin contact, ingestion, and inhalation.
 Signs and Symptoms of Exposure: None under normal conditions of use.
 Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Water	No Data	NO	NO	NO
Pumice	No Data	NO	NO	NO
Terpenes and terpenoids, sweet orange-oil	No Data	NO	NO	NO
d-Limonene	IRR	NO	N/A	NO
PO/EO linear C6-12 Alcohol	No Data	NO	NO	NO
Triethanolamine	No Data	NO	NO	NO
SILICA, QUARTZ	LUN SOM	YES	2A	NO

Abbreviations

N/A Not Applicable
 IRR Irritant
 SOM Evidence of some carcinogenicity
 2A Probably carcinogenic to humans
 LUN Lung

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
 Skin Contact: Flush with water.
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: 193 °F Method: Setaflash Closed Cup
 Recommended Extinguishing Agents: Carbon dioxide, chemical powder

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(continued)

5. FIRE FIGHTING MEASURES

Special Firefighting Procedures: Not available
 Hazardous Products formed by Fire or Thermal Decomposition: Irritating organic vapors
 Unusual Fire or Explosion Hazards: None
 Explosive Limits:
 (% by volume in air) Lower: Not available
 (% by volume in air) Upper: Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Rinse away with water or wipe up with a towel.

7. HANDLING AND STORAGE

Safe Storage: Hand cleaner should be stored between 40°F and 100°F
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Follow all general safety precautions. Keep away from children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Not normally needed, but safety glasses offer increased protection.
 Skin: None normally needed.
 Ventilation: Some local ventilation may be desired for prolonged exposure in a confined area.
 Respiratory: Not available
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White lotion with pumice.
 Odor: Orange
 Boiling Point: Not Available
 pH: 5.5
 Solubility in Water: Soluble
 Specific Gravity: 1.03
 Volatile Organic Compound (EPA Method 24): 9.2%; 95 grams per liter of material
 Vapor Pressure: Not available
 Vapor Density: Not available
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: None
 Conditions to Avoid: Not available
 Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Estimated Oral LD50 more than 5000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of uncontaminated material through sewage system with permission of the authority responsible for that system. Follow EPA and local regulations.
 EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

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14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None
 IATA
 Proper Shipping Name: Unrestricted
 Class or Division: Unrestricted
 UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present at or above the No Significant Risk level.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
 Health Hazard: 1
 Fire Hazard: 2
 Reactivity Hazard: 0
 Specific Hazard: Does not apply

Estimated HMIS(R) Code:
 Health Hazard: 1
 Flammability Hazard: 2
 Reactivity Hazards: 0
 Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
 HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: C. J. Michaels
 Title: Health and Safety Dept.
 Company: Loctite Corp.,
 1001 Trout Brook Crossing, Rocky Hill, CT 06067
 (24hr.) Phone: (860) 571-5100
 Revision Date: March 17, 1998
 Revision: First Issue

7-25-03

York "C" Oil

Emergency Number: (989) 496-3780

Section 1 Product Name and Information

Product (Trade Name and Synonyms): York "C" Oil
Chemical Name: Hydrocarbon
Chemical Family: Mineral Oil
Formula: Proprietary
CAS#: Proprietary

Section 2 Components and Hazard Statement

This product is non-hazardous. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

Section 3 Safe Handling and Storage

Handling. Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin, wash with soap and water. Flush eyes with water for 15 minutes and consult physician. Wash contaminated clothing before reuse.
Storage. Keep container tightly sealed when not in use.

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Section 4 Physical Data

Appearance: Colorless liquid
Boiling Point: >500/F
Vapor Pressure: <0.1 mmHg @20/C
Specific Gravity (water=1): 0.89-0.905
Volatiles, Percent by Volume: 0%
Odor: slight
Solubility in Water: insoluble
Evaporation Rate (butyl acetate=1): nil

Section 5 Fire and Explosion Hazards

Flash Point (by Cleveland Open Cup): 350 - 370/F

Flammable Limits: not established

Auto ignition Temperature: no data

HMIS Ratings:

Health: 0

Flammability: 1

Reactivity: 0

Personal Protection: B

NFPA Ratings in air: not established

Extinguishing Media: Dry chemical; CO₂ foam, water fog

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Techniques: Burning fluid may evolve irritating/noxious fumes.

Firefighters should use NIOSH/MNSA-approved self-contained breathing apparatus. Use

water carefully to cool fire-exposed containers. Spraying water directly on hot or burning

liquid may cause frothing or splashing.

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Section 6 Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong Oxidizers

Conditions to Avoid: Excessive heat

Hazardous Decomposition Products: Analogous compounds evolve carbon monoxide,

carbon dioxide, and other unidentified fragments when burned. See Section 5.

Section 7 Health Hazard Data

Threshold Limit Value: 5mg/m³ for oil mist

Situations to Avoid: Avoid breathing oil mists

First Aid Procedures:

Ingestion: DO NOT INDUCE VOMITING. Consult physician at once. DO NOT give anything by mouth if the person is unconscious or having convulsions.

Inhalation: Product is not toxic by inhalation. If oil mist is inhaled, remove to fresh air and consult physician.

Contact: Prolonged exposure may irritate the skin. Wash exposed skin with soap and water.

To the best of our knowledge, the toxicological properties of these compounds have not been fully investigated. Analogous compounds are considered to be essentially non-toxic.

Section 8 Personal Protection Information

Respiratory Protection: Use in well ventilated area

Ventilation: Local exhaust

Protective Gloves: Not required, but recommended, especially for long term exposure

Eye/Face Protection: Goggles

Section 9 Spill or Leak Procedures

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In Case of Spill: Wear suitable protective equipment, especially goggles. Stop source of spill. Dike spill area. Use absorbent materials to soak up fluid (i.e. sand, sawdust, or commercially available materials). Wash spill area with large amounts of water. Properly dispose of all materials.

Section 10 Waste Disposal Methods

Incinerate this product and all associated wastes in a licensed facility in accordance with

Federal, state, and local regulations.

The information in this material safety data sheet should be provided to all who use, handle,

store, transport, or are otherwise exposed to this product. We believe the information in this

document to be reliable and up to date as of the date of publication, but make no guarantee

that it is.

04/03