



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

100 DaVinci Drive, Bohemia, New York 11716 • 888-567-2206 • www.chromate.com

FOR CHEMICAL
EMERGENCY
Call Chemtrec day/night:
1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: H.D. Citrus Scrub
RED LION PART NUMBER: 74521
PRODUCT TYPE: Industrial Waterless Hand Cleaner
CHEMICAL FAMILY: N/A

DATE PREPARED: 7/30/97

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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	OTHER	CAS #
Water	70-80	N/D	N/D	N/D	7732-18-5
Pumice	5-10	15 mg/m ³ total 5 mg/m ³ resp.	10 mg/m ³ total	None	1332-09-8
Terpenes and Terpenoids, Sweet Orange-Oil	5-10	N/D	N/D	N/D	68647-72-3
d-Limonene	**	N/D	N/D	N/D	5989-27-5
PO/EO Linear C6-12 Alcohol	1-5	N/D	N/D	N/D	68154-97-2
Triethanolamine	0.1-1	N/D	N/D	N/D	0102-71-6

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

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

INHALATION: None under normal conditions of use.

INGESTION: None under normal conditions of use.

SKIN CONTACT: None under normal conditions of use.

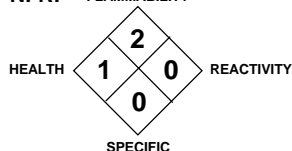
EYE CONTACT: None under normal conditions of use.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known

HAZARD RATINGS

NFR: FLAMMABILITY



HMIS: 1 HEALTH
2 FLAMMABILITY
0 REACTIVITY
B PROTECTION

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If symptoms persist, obtain medical attention.

INGESTION: Do not induce vomiting. Keep individual calm. 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 (METHOD USE): 193°F (Setaflash Closed Cup)

FLAMMABLE LIMITS: None

LEL N/A

UEL N/A

EXTINGUISHING MEDIA: Carbon dioxide, chemical powder.

FIRE FIGHTING PROCEDURES: Not available

UNUSUAL AND EXPLOSION HAZARDS: Irritating organic vapors.

6. ACCIDENTIAL RELEASE MEASURES

SPILLS OR LEAKS: Rinse away with water or wipe up with a towel.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Hand cleaner should be stored between 40°F and 100°F.

Follow all general safety precautions. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**RESPIRATORY:** Not available**SKIN PROTECTION:** None normally needed.**EYE PROTECTION:** Not normally needed, but safety glasses offer increased protection.**OTHER EQUIPMENT:** None required**EXPOSURE GUIDELINES:** Some local ventilation may be desired for prolonged exposure in a confined area.**ENGINEERING CONTROLS:** No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES**BOILING POINT:** Not available**VAPOR PRESSURE (mmHg):** Not available**VAPOR DENSITY (AIR = 1):** Not available**SOLUBILITY IN WATER:** Soluble**PERCENT VOLATILE BY VOLUME:** 9.2%; 95 grams per liter of material**APPEARANCE AND ODOR:** White Lotion with Pumice. Orange Odor.**SPECIFIC GRAVITY (H₂O = 1):** 1.03**MELTING POINT:** N/A**pH:** 5.5**EVAPORATION RATE (ETHER = 1):** Not available**FORM:** Liquid **VOLATILE COMPONENTS:** N/D

10. STABILITY AND REACTIVITY**STABILITY:** Stable**CONDITIONS TO AVOID:** Not available**HAZARDOUS POLYMERIZATION:** Will not occur**INCOMPATIBILITY (MATERIALS TO AVOID):** None**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** None

11. TOXICOLOGICAL INFORMATION**EYE:** No data available.**SKIN:** No data available.**INGESTION:** Estimated oral LD50 more than 5000 mg/kg. **INHALATION:** No data available.**SUBCHRONIC:** No data available.**CHRONIC CARCINOGENICITY:****CARCINOGENICITY:** NTP: Not Listed **IARC MONOGRAPH:** Not Listed **OSHA REGULATED:** Not Regulated**TERATOLOGY:** No data available.**REPRODUCTION:** No data available.**MUTAGENICITY:** No data available.

12. ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:** No data available.**CHEMICAL FATE INFORMATION:** No data available.

13. DISPOSAL CONSIDERATIONS**RCRA HAZARD CLASS:** Not a RCRA Hazardous Waste Material**WASTE DISPOSAL METHOD:** Dispose of uncontaminated material through sewage system with permission of the authority responsible for that system. Follow EPA and local regulations.

14. TRANSPORT INFORMATION**TRANSPORTATION REQUIREMENTS (49CFR172-101)****D.O.T. CLASSIFICATION:** Unrestricted.**D.O.T. SHIPPING NAME:** Unrestricted.

15. REGULATORY INFORMATION**EXPOSURE LIMITS:** No California Proposition 65 chemicals are known to be present at or above the No Significant Risk Level.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

MSDS STATUS: Revised 7/30/97

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals