

ROYAL SOAP & CHEMICAL CO., INC.

16057 FOOTHILL BLVD.

IRWINDALE, CA 91702

(626) 334-4299 24 HOUR D.O.T. AND EMERGENCY (800) 535-5053

MATERIAL SAFETY DATA SHEET

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Product Name: SUPCO D'LIMONENE WATERLESS HAND CLEANER

Product Code: 1213-1217

Chemical or Common Name: HAND CLEANER

Date Issued: 07/30/02

Prepared By: JEFF ADLER

Super cedes: 10/01/01

1. Hazardous Information

D' Limonene 5989-27-5 4-14 Not Available

Materials marked with an * are subject to the reporting requirements under the Super fund Amendments and Reauthorization Act of 1986 (SARA) Title III, Section 313 and CFR Part 372

2. Physical Data

Solubility in Water: Complete

Specific Gravity (Water=1): .96

Melting or Freezing Point: ND

Boiling Point: ND

Vapor Density (air=1): ND

Viscosity: ND

Percent Volatile (By Wt): ND

pH: 8.3 ± .5

Appearance-Odor: Thick Orange gel with an citrus odor

Vapor Pressure (MM HG): ND

Evaporation Rate (BU AC=1): ND

3. Fire and Explosion Data

Extinguishing Media Foam X CO2 X Dry Chemical X water Fog X Other

Flash Point: ND

Auto ignition Temp: ND

Lower Explosion Limit: ND

Upper Explosion Limit: ND

Special Fire Fighting Procedures: Wet Material is slippery. Avoid contact with material. Firefighters should wear a self contained breathing apparatus.

Unusual Fire & Explosion Hazards: None noted.

4. Health Data

Recommended Health Guide TWA (Maximum Time Weighted Average Concentration For An 8 Hour Work Period). **ND**

Effects of Overexposure: SKIN: Possible skin rash. EYES: Mild irritation INGESTION: Upset stomach

Emergency and First Aid Procedures

Inhalation: NA

Eye & Skin Contact: Flush eyes with water for 15 minutes. If irritation persists, consult a physician. Wash skin thoroughly. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Drink large quantities of water or milk. Call a physician immediately.

5. Reactivity Data

Stability: STABLE

Conditions To Avoid: NONE NOTED

Hazardous Decomposition Products: NONE NOTED

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid: NONE NOTED

Incompatibility (Materials To Avoid): NONE NOTED

6. Spill or Leak Procedure

Steps to be taken if material is released or spilled: Floor may be slippery. No other hazards known.

Waste Disposal Information: Material should be scooped up and placed in acceptable waste receptacle. Dispose of all waste in accordance with Federal, State and Local regulations.

7. Special Protection Information

Respiratory Protection (Specify Type): NA

Ventilation: NA

Protective Gloves: NA

Eye Protection: NA

Other Protective Information: None required

8. Special Precautions

Precautionary Labeling: Keep out of the reach of children. Avoid eye contact.

Other Handling And Storage Conditions: Store in a cool dry area. Always keep cover on when not in use.

9. Additional Information

Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they are full.

10. Health Hazard Rating

0-Insignificant 1-Slight 2-Moderate 3-High 4-Extreme

Health 1 Fire 0 Reactivity 0 Special 0

NA- Not Applicable **ND-** Not Determined

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from manufacturer and or recognized technical sources: however, Royal Soap & Chemical Co., Inc. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein.