

**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: 1189-1191 1210-1211

Chemical or Common Name: HAND CLEANER

Date Issued: 05/01/02

Prepared By: JEFF ADLER

Supercedes: 03/01/02

**1. Hazardous Information**

Chemical Name	Cas Numbers	weight %	Exposure Information
D' Limonene	5989-27-5	4-14	Not available
Dowanol (R) DPM Glycol Ether	034590-94-8	0-5	PEL 100 TLV 100 STEL 150

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): 1.0	Melting or Freezing Point: ND
Boiling Point: ND	Vapor Density (air = 1): ND	Viscosity: ND
Percent Volatile (By Wt): ND	pH: 8.6 ± .5	
Vapor Pressure (MM HG): ND	Evaporation Rate (BU AC = 1): ND	

Appearance-Odor: Thick Orange gel with an citrus odor

**3. Fire and Explosion Data**

Flash Point: ND	Auto ignition Temp: ND	Upper Explosion Limit: ND
	Lower Explosion Limit: ND	

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

**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 TEA (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. Wash hands before eating.

**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

## 10. Health Hazard Rating

0-Insignificant	1-Slight	2-Moderate	3-High	4-Extreme
Health 1	Fire 0	Reactivity 0	Special 0	

warnings and handle empty containers as if they are full.

**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.