

ROYAL SOLUTIONS, INC.

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## MATERIAL SAFETY DATA SHEET

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Product Name: LOYAL® GEL WATERLESS HAND CLEANER

Product Code: 1094-1097

Chemical or Common Name: HAND CLEANER

Date Issued: 05/01/06

Prepared By: JEFF ADLER

Supersedes: New

### 1. Hazardous Information

Chemical Name	CAS #	% Range	OSHA PEL	ACGIH TLV
Hydrotreated distillate, light	64742-47-8	10-20	NE	NE

### 2. Physical Data

Solubility in Water: Complete	Specific Gravity (Water=1): .98	Melting or Freezing Point: ND
Boiling Point: ND	Vapor Density (air=1): ND	Viscosity:ND
Percent Volatile (By Wt): ND	pH: 9.5 ± .5	Appearance-Odor: Thick Green gel with an lemon odor
Vapor Pressure (MM HG): ND	Evaporation Rate (BU AC=1): ND	

### 3. Fire and Explosion Data

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

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