

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory-Form)  
Form Approved  
OMB No. 1218-0072

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<b>IDENTITY (As Used on Label and List)</b> <b>Royaltone Detergent Plus</b>	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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<b>Section I – Identity</b>		NA = Not Applicable NIA = No Information Available	
Manufacturer's Name <b>Royaltone Company Inc</b>	Emergency Telephone Number <b>918 663-9666</b>	Telephone Number For Information <b>918-622-6677</b>	Date Prepared <b>6/16/05</b>
Address (Number, Street, City, State, and ZIP Code) <b>9504 E 55<sup>th</sup> St Tulsa OK 74145</b>	Signature of Preparer (optional)		

<b>Section II – Hazardous Ingredients</b>					
Chemical Identity; Common Name(s)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	%(optional)

**This product does not contain any hazardous materials based on current Dept of Labor Regulations as we interperet them. This product does not contsin any halogenated solvents like perchlorethylene (perk) or any petroleum solvents**

<b>Section III – Physical Data</b>			
Boiling Point	<b>625</b>	Specific Gravity (H <sub>2</sub> O=1)	<b>0.97</b>
Vapor Pressure (mm Hg.)	<b>0.0001</b>	Melting Point	<b>1.0</b>
Vapor Density (AIR=1)	<b>10</b>	Evaporation Rate (Butyl Acetate = 1) <b>ethyether 1000 x slower</b>	
pH ,1%		% Voatile	
Solubility In Water	<b>Form emulsion</b>		
Appearance and Odor	<b>Light amber liquid with little odor</b>		

<b>Section IV – Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) <b>380 COC</b>	Flammable Limits	LEL <b>unk</b>	UEL <b>unk</b>
Extinguishing Media <b>water fog, CO2, dry chemical and foam</b>	Special Fire Fighting Procedures <b>Wear self contained breathing apparatus in confined spaces</b>		
Unusual Fire and Explosion Hazards <b>Estimated auto ignition temperature 670' F can be made to burn (flash point greater than 200'F)</b>			

**Section V – Physical Hazards / Reactivity Data**

Stability	Unstable		Conditions to
	Stable	<b>x</b>	

Incompatibility (*Materials to Avoid*) **strong oxidizers**

Hazardous Decomposition or Byproducts **none**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>x</b>	

**Section VI – Health Hazard Data**

Routes(s) of Entry:	Inhalation?	Skin?	Ingestion?
	<b>no</b>	<b>no</b>	<b>no</b>

Health Hazards (*Acute and Chronic*)  
**none**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>

Signs and Symptoms of Exposure

**Ingestion: diarrhea Eyes: causes moderate irritation & discomfort Skin: slight irritation**

Medical Conditions Generally Aggravated by Exposure

**Section VII – First Aid Measures**

1. Inhalation

2. Eyes **flush with water 15 min call doctor**

3. Skin **wipe and wash with soap and water**

4. Ingestion **see physician, induce vomiting if conscious**

**Section VIII – Preventive Measures**

Respiratory Protection (*Specify Type*) **none unless heated or misted, then NIOSH respiratory protection**

Ventilation	Local Exhaust <b>yes</b>	Special <b>none</b>
	Mechanical ( <i>General</i> ) <b>no</b>	Other <b>none</b>

Protective Gloves <b>no</b>	Eye Protection <b>safety goggles</b>
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Other Protective Clothing or Equipment  
**none**

Work/Hygienic Practices

**Keep out of eyes, wear gloves, do not swallow**

**Section IX – Special Precautions / Spill Leak Procedures**

Steps to Be Taken in Case Material is Released or Spilled

**wash with water containing detergent or absorb with clay, diatomaceous earth or other absorbent material**

Waste Disposal Method

**drum and dump or incinerate as governed by federal, state, and local regulations on chemical waste**

Precautions to Be Taking in Handling and Storing

**avoid contact with eyes, do not swallow**

Other Precautions

**Keep out of eyes and off skin**

**Section X– Other Information**