

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

HMTS H-0, F-1, R-0



IDENTITY (As Used on Label and List)

ROYALTONE DETERGENT PLUS

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.

Section I

Manufacturer's Name Royaltone Co. Inc.	Emergency Telephone Number 918-663-9666
Address (Number, Street, City, State, and ZIP Code) 9504 E 55th St. Tulsa OK 74145	Telephone Number for Information 918-622-6677
	Date Prepared 6/16/05
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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This product does not contain any hazardous materials based on current Department of Labor regulations as we interpret them.

This product does not contain any halogenated solvents like perchloroethylene (perc) or any petroleum solvents.

Section III — Physical/Chemical Characteristics

Boiling Point 625	Specific Gravity (H ₂ O = 1) 0.87
Vapor Pressure (mm Hg) below 0.0001	Melting Point 1.0
Vapor Density (AIR = 1) 10	Evaporation Rate (Butyl Acetate = 1) ethylether 1000 x slower
Solubility in Water form emulsion	
Appearance and Odor light amber liquid with little odor	

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) 380 COC	Flammable Limits	LEL unk	UEL unk
Extinguishing Media water fog, CO ₂ , dry chemical and foam			
Special Fire Fighting Procedures wear self contained breathing apparatus in confined spaces			

Unusual Fire and Explosion Hazards
estimated auto ignition temperature 670°F
can be made to burn (Flash point greater than 200°F)

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	x	contact with strong oxidizers

Incompatibility (Materials to Avoid) strong oxidizers

Hazardous Decomposition or Byproducts none

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? no Skin? no Ingestion? no

Health Hazards (Acute and Chronic) none

Carcinogenicity: no NTP? no IARC Monographs? no OSHA Regulated? no

Signs and Symptoms of Exposure
 INGESTION: Diarrhea EYES: contact causes moderate irritation and discomfort. SKIN: slight irritation

Medical Conditions Generally Aggravated by Exposure none

Emergency and First Aid Procedures
 EYES: flush with water for 15 min., call dr., SKIN: wipe and wash with soap and water, INGESTION: see a physician, induce vomiting if conscious.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled wash with water containing detergent or absorb with clay, diatomaceous earth, or other inert absorbent.

Waste Disposal Method drum and dump or incinerate as governed by Federal, State and Local regulations on chemical waste.

Precautions to Be Taken in Handling and Storing avoid contact with eyes, do not swallow

Other Precautions keep out of eyes and off skin

Section VIII — Control Measures

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

Ventilation	Local Exhaust	yes	Special	none
	Mechanical (General)	no	Other	none

Protective Gloves no Eye Protection safety goggles

Other Protective Clothing or Equipment none

Work/Hygienic Practices keep out of eyes and off skin do not swallow