

**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



IDENTITY (As Used on Label and List)  
 SHAMROCK LT-DISH DETERGENT

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 SHAMROCK SUPPLY CO., INC.	Emergency Telephone Number (503) 620-0213
Address (Number, Street, City, State, and ZIP Code) 16285 S.W. 85th -- Suite 303 Tigard, OR 97224	Telephone Number for Information (503) 620-0213
	Date Prepared 5/11/95 rev: March 22, 2001
	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Hydroxide	CAS #1310-58-3	none	2 ppm	none	
Sodium Silicate	CAS 1344-09-8	none	none	none	
Tetrapotassium Pyrophosphate	CAS #7320-34-5	none	none	none	

**Section III — Physical/Chemical Characteristics**

Boiling Point	208° F	Specific Gravity (H <sub>2</sub> O = 1)	1.3
Vapor Pressure (mm Hg)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	Similar to Water
Solubility in Water	100%		
Appearance and Odor	R-0, Slight Chemical Odor		

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used)	None	Flammable Limits	N.A.	LEL	N.A.	UEL	N.A.
Extinguishing Media	N.A.						
Special Fire Fighting Procedures	N.A.						

Unusual Fire and Explosion Hazards  
 N.A.

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

SHAMROCK LT-DISH DETERGENT

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Avoid mixing with acids.
	Stable	X	

Incompatibility (Materials to Avoid)  
Strong oxidizing and reducing agents.

Hazardous Decomposition or Byproducts  
None known

Hazardous Polymerization	May Occur		Conditions to Avoid N.A.
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Eyes	Inhalation?	Skin? X	Ingestion?
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Health Hazards (Acute and Chronic)  
Eyes - direct contact can cause eye damage. Corrosive. Skin - direct contact can cause irritation if not rinsed off.

Carcinogenicity: None	NTP? None	IARC Monographs? None	OSHA Regulated? No
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Signs and Symptoms of Exposure  
Eyes - brief contact causes burning sensation. Prolonged contact can cause permanent injury.  
Ingestion - rapid, burning sensation in mouth, throat and digestive tract.  
Skin - contact will result in burning sensation, followed by reddened skin.

Medical Conditions  
Generally Aggravated by Exposure None known

Emergency and First Aid Procedures  
Eyes - wash with water for 15 minutes and seek medical attention. Skin - flush with water and change contaminated clothing. Ingestion - dilute with water and seek medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
Small spill - Mop up and rinse. Large spill - Neutralize with Phosphoric Acid and rinse.

Waste Disposal Method  
Dispose according to Local, State and Federal regulations.

Precautions to Be Taken in Handling and Storing  
Avoid storing below 32° F and over 100° F.

Other Precautions  
None

Section VIII — Control Measures

Respiratory Protection (Specify Type)  
Not needed

Ventilation	Local Exhaust N.A.	Special N.A.
	Mechanical (General) X	Other N.A.

Protective Gloves  
Plastic or rubber.

Eye Protection  
Goggles

Other Protective Clothing or Equipment  
None

Work/Hygiene Practices  
Wash hands and face before eating or smoking. Change contaminated clothing immediately.