



MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 2/01

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SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Detergent**

Brands: **Dawn Manual Pot and Pan Detergent (Professional Line)**

Hazard Rating: 1

Health: 1

4=EXTREME

Flammability: 1

3=HIGH

Reactivity:

2= MODERATE

1=SLIGHT

Emergency Telephone Number: 1-800-332-7787 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Cleaning and sudsing agents (anionic and nonionic surfactants), dispensing aid (ethyl alcohol), water, stabilizing agents, colorant and perfume.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	ACGIH TLV: 1880 mg/m ³	5-10%	N.A.

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: Ingestion may cause transient gastrointestinal irritation.

Eye Contact: May cause mild, transient irritation.

Skin: Transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting and/or diarrhea.

Eye Contact: May cause stinging, tearing, vomiting, and/or diarrhea.

Skin: Prolonged contact with concentrated material may be drying or transiently irritating to the skin.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**Respiratory Protection (Specify Type):** None required with normal use.**Ventilation** *Local Exhaust:* None required with normal use.*Special:* None*Mechanical (General):* Acceptable.*Other:* None**Eye Protection:** None required with normal use. If splash is likely, goggles may be needed.**Protective Gloves:** None required with normal use. Protective gloves should be used for prolonged contact with undiluted product.**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** Not known**Specific Gravity (H₂O=1):** ~1**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ~60-65%**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** ~30°F**Coefficient of Water/Oil Distribution:** N/A**pH (1% solution):** ~8**Scooped Density:** N/A**Solubility in Water:** Completely**Appearance and Odor:** Blue or yellow liquid**Reserve Alkalinity:** N/A

Product is perfumed.

SECTION X - STABILITY AND REACTIVITY**Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rats oral): approximately 12 mL/kg

ED50: approximately 2.3 mL/kg

Liquid hand dishwashing detergents have a relatively low order of toxicity. They may be irritating, but they are not expected to be corrosive. They are expected to be emetic.

SECTION XII - ECOLOGICAL INFORMATION

All surfactants are readily biodegradable. This product is safe for septic tanks.

