



MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2004/TWTG-5ZEQVF
Supersedes: N/A

Issue Date: 09/01/04
Issue Date: 2/01

SECTION I - CHEMICAL PRODUCT

Identity: **MANUAL POT AND PAN DETERGENT**

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

Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT

Emergency Telephone Number: 1-800-332-7787 or your 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	3 – 7%	7.1 g/kg (Oral, Rats)

SECTION VII - HANDLING AND STORAGE**Precautions To Be Taken in Handling and Storing:** No unusual precautions necessary.**Other Precautions:** None known**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Respiratory Protection (Specify Type):** None required with normal use.**Ventilation** *Local Exhaust:* None required with normal consumer use.*Special:* None*Mechanical (General):* Acceptable. *Other:* None**Eye Protection:** None required with normal use.**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):** ca. 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, Floral.**Reserve Alkalinity:** N/A

Yellow, Citrus.

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): approx 12 mL/kg

ED50 approx 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.

