



MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2006/EHEE-6KZKSZ(S)
Supersedes: FH/L/2005/RWRB-6LJHVV

Issue Date: 2/9/06
Issue Date: 1/30/06

SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Hand Dishwashing Detergents**

Finished Product

Brands:

DAWN (Ultra Dawn Original Blue, Lemongrass & Orange Blossom, Honeysuckle & Rain, Jasmine & Lavender; 1X Dawn Original, Apple Blossom, Summertime Showers; Dawn with Odor Eraser Splash of Lime and Fresh Orange; Ultra Dawn Advanced Action)

IVORY (Ultra Ivory Classic Scent, Gentle Lavender; 1X Ivory Classic Scent)

JOY (Ultra Joy Refreshing Lemon, Glistening Pink Grapefruit, Twist of Lime; 1X Joy Refreshing Lemon; Ultra Joy with Bleach Alternative)

SALVO

P&G Telephone Number:

DAWN 1-800-725-3296 (DAWN)

IVORY 1-800-253-2753 (IVORY)

JOY 1-800-436-1569 (JOY)

SALVO 1-800-824-3076

or call Local Poison Control Center or your physician

SECTION II - COMPOSITION AND INGREDIENTS

Products contain biodegradable anionic and nonionic surfactants and **no phosphate**.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	1-6%	N/A

SECTION III - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Ingestions: Ingestion may cause transient gastrointestinal irritation.

Eye Contact: May cause mild, transient irritation.

Skin Contact: Transient irritation with prolonged exposure to concentrated material.

Inhalation: N/A

Signs and Symptoms of Exposure:

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

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.

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

Inhalation: N/A

Potential Environmental Effects: (See Section 12 for more information)

SECTION IV - FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Drink 1 or 2 glasses of water.

Eye Contact: Flush thoroughly with water for 15 minutes.

Skin Contact: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or recur, seek medical attention.

Inhalation: N/A

Other: Consumer product package has a voluntary avoid accidents statement on the back label: "Keep out of reach of children. If the product gets in eyes, rinse thoroughly with water. If swallowed, drink a glass of water to dilute."

SECTION V - FIRE FIGHTING INFORMATION

Flammable Properties: Although this product has a flashpoint below 200°F (closed cup), it is an aqueous solution (>50% water) that does **not** sustain combustion.

Extinguishing Media: CO2, water or dry chemical.

Protection of Firefighters:

Specific Fire Hazards Arising from the Material: None

Protective Equipment and Precautions for Firefighters: No unusual precautions necessary.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Solutions of the detergents may be allowed to be flushed down sewer -- First check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

Steps To Be Taken in Case Material is Released or Spilled: Prevent spills from reaching a waterway. Sorbents may be used. Read "Waste Disposal Method" below for further information.

SECTION VII - HANDLING AND STORAGE**Precautions To Be Taken in Handling:** No unusual precautions necessary.**Precautions To Be Taken in Storage:** No unusual precautions necessary.**Other Precautions:** None known**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Exposure Guidelines:** Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm
OSHA Z-1 PEL 1000 ppm**Personal Protective Equipment (PPE):****Eye/Face Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.**Skin Protection:** None required with normal use.*Industrial Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.**Respiratory Protection (Specify Type):** None required with normal use.**Ventilation Local Exhaust:** None required with normal consumer use. *Special:* None*Mechanical (General):* Normal/general dilution ventilation is acceptable. *Other:* None**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** Not known**Specific Gravity (H₂O=1)/Density:** ca. 1**Vapor Pressure (mm Hg):** N/A**Physical State:** Liquid**Vapor Density (Air=1):** N/A**Melting/Freezing Point:** ~ 30 °F (-1.1°C)**Flash Point (Method Used):** 115-135°F (46.1-57.2°C)
Pensky-Martens (Closed cup). This is an aqueous solution (>50% water) that contains less than 24% by volume of alcohol and does not sustain combustion.**pH (10% solution):** 8-9.2**Solubility in Water:** Completely**Reserve Alkalinity:** N/A**Partition Coefficient (n-octanol/water):** N/A**Explosive Limits: LEL:** N/A **UEL:** N/A**Appearance and Odor:** Purple, Blue, Green, Yellow, Pink or Orange liquids. All products are perfumed.**Odor Threshold:** N/A**SECTION X - STABILITY AND REACTIVITY****Chemical Stability:** Stable**Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None

