



MATERIAL SAFETY DATA SHEET

MSDS #: Wipe 001
Supersedes: N/A

Issue Date: 09.05.03
Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **Dishwashing Wipes**

Brands: **DAWN WASH 'N TOSS**

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

Emergency Telephone Number: 24hr P&G Operator:

DAWN 1-800-725-3296 (DAWN)

or call Local Poison Control Center or your physician

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium alkyl sulfate	Alcohol sulfate	68585-47-7	35-50%	
Sodium alkyl ethoxylate sulfate	Alcohol ethoxysulfate	68585-34-2	25-45%	
C10-16 alkyldimethylamine oxide	Amine oxide	70592-80-2	10-20%	1250 mg/L
1,3 Cyclohexane diamine	Diamine	2579-20-6	1-5%	

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

- Ingestion: Wipe may be a potential choking hazard if a piece is taken in. Ingestion of inner surfactant paste may cause mild, transient gastrointestinal irritation.
- Eye Contact: Contact with inner paste causes moderate irritation.
- Skin: Irritation is possible with exposure to concentrated surfactant paste. Prolonged exposure could cause pronounced irritation.

Signs and Symptoms of Exposure:

- Ingestion: Look for signs of choking of the wipe. Surfactant paste ingestion may result in nausea, vomiting or diarrhea.
- Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.
- Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

- Ingestion: Drink 1 or 2 glasses of water.
- Eye Contact: Remove any contact lenses and flush thoroughly with water for 15 minutes.
- Skin: If prolonged contact occurs, rinse thoroughly with water. If symptoms persist or recur, seek medical attention.

Other: Consumer product package has a voluntary precautionary statement.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >300 F (148.9 C) **Explosive Limits:** *LEL:* N/A *UEL:* N/A
 Pensky-Martens Closed Cup

Extinguishing Media: Foam, CO₂, or dry chemical.

Special Fire Fighting Procedures: None.

Unusual Fire Hazards: When heated to decomposition, emits toxic fumes of NOx.

Stability *Unstable:* *Conditions to Avoid:* None known
 Stable: X

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition/By Products: When heated to decomposition, emits toxic fumes of NOx.

Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None known
 Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use NIOSH/MSHA approved organic vapors mists respirator for exposure to contaminated atmosphere. Appropriate protective clothing should be worn during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental Precautions: Prevent from reaching waterways. **DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS.** Solutions of detergents may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is recommended for undiluted scrap paste. Do not landfill.

Steps To Be Taken in Case Material is Released or Spilled:

- SMALL SPILLS: Neutralization not required. Absorb into inert material and dispose. Flush with large excess of water.
- LARGE SPILLS: Contain spill and remove for disposal.

SECTION VII - HANDLING AND STORAGE	
<p>Precautions To Be Taken in Handling and Storing: No unusual precautions necessary. Handle in accordance with good hygiene and safety procedures. Store in original closed containers in a cool, dry, well-ventilated area. Store separately from all combustible, organic and oxidizable materials.</p>	
<p>Other Precautions: None known</p>	

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
<p>Respiratory Protection (Specify Type): None required with normal use.</p>	
<p>Ventilation</p>	<p><i>Local Exhaust:</i> None required with normal consumer use. <i>Special:</i> None</p> <p><i>Mechanical (General):</i> Normal/general dilution ventilation is acceptable. <i>Other:</i> None</p>
<p>Eye Protection: None required with normal consumer use.</p>	
<p><i>Industrial Setting:</i> For splash protection when loading or unloading paste material, use chemical goggles or face shield with goggles. Eye Wash fountain is desirable.</p>	
<p>Protective Gloves: None required with normal consumer use.</p>	
<p><i>Industrial Setting:</i> Protective gloves (rubber, neoprene) should be used for any direct contact with the surfactant paste.</p>	
<p>Inhalation: Use an appropriate NIOSH/MSHA approved respirator for exposure to contaminated atmosphere. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.</p>	
<p>Other Protective Equipment: None required with normal consumer use.</p>	
<p><i>Industrial Setting:</i> Boots, safety shower, apron and protective clothing should be used.</p>	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
<p>Boiling Point °F: est. to be 250°F</p>	<p>Specific Gravity (H₂O=1): ca. 1</p>
<p>Vapor Pressure (mm Hg): ~70°F (21oC) @ 17.5 mm Hg</p>	<p>Percent Volatile by Volume (%): <5%</p>
<p>Vapor Density (Air=1): N/A</p>	<p>Evaporation Rate (nBuOAc=1): Unknown</p>
<p>Odor Threshold: N/A</p>	<p>Freezing Point: ~ 30 F</p>
<p>Coefficient of Water/Oil Distribution: N/A</p>	<p>pH (1% solution): ~ 8.0</p>
<p>Specific Gravity: ~ 1.0</p>	<p>Solubility in Water: Complete @ 70°F (21oC)</p>
<p>Appearance and Odor: Thick blue paste. Product is perfumed. Prior to perfume addition the paste may have a slight weedy odor due to the amine oxide.</p>	
<p>Reserve Alkalinity: 1.66</p>	

SECTION X - STABILITY AND REACTIVITY	
<p>Possible Hazardous Reactions/Conditions: None known</p>	
<p>Conditions to Avoid: None</p>	
<p>Materials to Avoid: None</p>	
<p>Hazardous Decomposition Products: None known</p>	
<p>Other Recommendations: None</p>	

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rats oral): approx 1500 mg/L

ED50 approx 3 mL/kg

The paste is not expected to be corrosive. The paste is expected to be emetic.

SECTION XII - ECOLOGICAL INFORMATION

All surfactants are readily biodegradable. The surfactants from this product are safe for septic tanks.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, state and local regulations. Household product is safe for disposal in the trash.

Industrial Setting: Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is recommended for undiluted scrap paste.

Do not landfill.

SECTION XIV - TRANSPORT INFORMATION

DOT – non-hazardous

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

No components are subject to California Proposition 65 labeling.

All ingredients are CEPA approved for import to Canada by Procter & Gamble only. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.