Commercial Products Group
CPG TN 6
2 Procter & Gamble Plaza
Cincinnati, OH 45202

HMIS®
Health 1
Flammability 0
Reactivity 0

MATERIAL SAFETY DATA SHEET

Issue Date: 2/99

SECTION I

Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100
Identity: **ORVUS WA Surfactant Paste**
Ingredients/Chemical Name: Water, sodium lauryl sulfate and minor ingredients.
Other: N.A.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910. 1200.

NOTE: This product is not "hazardous" within the meaning of the OSHA Hazard Communication Standard.
DOT Classification: Not regulated

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: 210°F
Vapor Pressure (mm Hg): 17.535 (20.0°C)
Vapor Density (Air=1): N.A.
Solubility in Water: Complete
Specific Gravity (H_2O=1): 1.04
Percent Volatile by Volume (%): N.A.
Evaporation Rate (nBuOAc=1): N.A.
Appearance and Odor: White paste or amber liquid, faint detergent odor

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): 200°F (PMCC) **Explosive Limits**: *LEL*: N.A. *UEL*: N.A.
Extinguishing Media: Material is 70% water, not likely to burn.
Special Fire Fighting Procedures: None Known
Unusual Fire Hazards: None Known
Stability *Unstable*: *Stable*: X *Conditions to Avoid*: Decomposes above 140°F or if pH falls below 7.
Incompatibility (Materials to avoid): Avoid mixing with strong acids.
Hazardous Decomposition/By Products: Sulfuric Acid, Sulfur Dioxide, Hydrogen Sulfide
Hazardous Polymerization *May Occur*: *Will Not Occur*: X *Conditions to Avoid*: None Known

ORVUS WA Paste Material Safety Data Sheet (continued)

SECTION V - HEALTH AND SAFETY DATA

Route(s) of Entry: Oral, skin contact, eye contact.
Health Hazards (Acute and Chronic): Orvus WA Paste may be irritating to skin or eyes.
Signs and Symptoms of Exposure: Expected to be emetic. Eye contact with the product or its aqueous solution may cause mild transient irritation.
Medical Conditions Generally Aggravated by Exposure: None
Emergency and First Aid Procedures: *Ingestion*: dilute with water or milk and treat symptomatically. *Eye Contact*: flush with water thoroughly for 15 minutes. *Skin Irritation*: discontinue use, apply cold compress to relieve irritation.
Other: N.A.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be Taken in Handling and Storing: Store well below 140°F and maintain pH above 7.0 to prevent decomposition.
Other precautions: If a spray or mist is generated, use a Bureau of Mines - OSHA approved respirator for organic mist.
Steps to Be Taken in Case Material is Released or Spilled: Neutralization not required. Flush surface with water.
Waste Disposal Method: Product is a biodegradable surfactant. If permitted, flush down sewer with large excess of water or dispose at landfill. Disposal is to be performed in compliance with all regulations.

SECTION VII - SPECIAL PROTECTION INFORMATION

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. Safety glasses are recommended if eye contact is possible.
Protective Gloves: Plastic or rubber.
Other Protective Equipment: None required with normal use.

*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.

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