



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: **JOY Manual Pot and Pan Detergent**

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

Other: N.A.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name	Common Name	CAS No.	ACGIH TLV	OSHA PEL	Other Limits Recommended
Ethanol	Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm 1900 mg/m ³	N.K.

DOT Classification: Combustible liquid not regulated when shipped in packaging of less than 119 gallons. When shipped in bulk, classified as compounds, cleaning liquid, Class 3 (NA 1993)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): N.A.

Vapor Pressure (mm Hg): N.A.

Vapor Density (Air=1): N.A.

Solubility in Water: Appreciable

pH (10% solution): 7.4

Specific Gravity (H₂O = 1): 1.02

Percent Volatile by Volume (%): 65%

Evaporation Rate (nBu0Ac=1): N.A.

Appearance and Odor: Yellow liquid, lemon odor

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): 132°F closed cup. Although this product has a flashpoint below 200°F (closed cup), it is an aqueous solution containing ethyl alcohol which does not sustain combustion.

Explosive Limits: LEL: N.A. UEL: N.A.

Extinguishing Media: Use CO₂, water or dry chemical.

Special Fire Fighting Procedures: None Known

Unusual Fire Hazards: None Known

Stability Unstable:

Stable: X

Conditions to Avoid: None Known

Incompatibility (Materials to avoid): N.K..

Hazardous Decomposition/By Products: .N.K.

Hazardous May Occur:

Conditions to Avoid: None Known

Polymerization Will Not Occur: X

SECTION V - HEALTH AND SAFETY DATA

Route(s) of Entry: Oral, skin contact, eye contact.

Health Hazards (Acute and Chronic): Eye: May cause mild, transient irritation. Ingestion: May cause transient gastrointestinal irritation. Skin: May cause transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure: Expected to be emetic if ingested, may cause nausea and/or diarrhea. May cause stinging, tearing, itching, swelling and/or redness if accidental eye contact occurs. Prolonged contact with concentrated material may be transiently irritating or drying to skin.

Medical Conditions Generally Aggravated by Exposure: Pre-existing dermatitis may be aggravated by prolonged contact with concentrated material.

Emergency and First Aid Procedures: *Eye contact:* Flush thoroughly with water for 10 - 15 minutes.

Ingestion: Drink a glassful of water. *Skin Contact:* If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or reoccur, seek medical attention.

Other: N.A.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be Taken in Handling and Storing: None required.

Other Precautions: .N.K.

Steps to be Taken in Case Material is Released or Spilled: Flush small quantities down acceptable sewer (contains biodegradable surfactants). Prevent spills from reaching a waterway. Sorbents may be used.

Waste Disposal Method: Small to household quantities may be disposed of in sewer. For larger quantities incineration is preferred. Do not 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): *Other:* None

Eye Protection: None required with normal use. For industrial type uses where eye contact with undiluted product may be expected, chemical goggles are suggested.

Protective Gloves: None required with normal use. Protective gloves (rubber, neoprene) should be used or prolonged direct contact.

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.