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

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HMIS®
 Health 1
 Flammability 0
 Reactivity 0

MATERIAL SAFETY DATA SHEET

Issue Date: 4/98

SECTION I - IDENTIFICATION
 Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100
 Identity: **FOODSERVICE JOY** (Brand Codes 08426, 08163, 08415 and 69822)
 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 AND CHEMICAL CHARACTERISTICS

Boiling Point (°F): N.A.	Specific Gravity (H ₂ O = 1): 1.02
Vapor Pressure (mm Hg): N.A.	Percent Volatile by Volume (%): 65%
Vapor Density (Air=1): N.A.	Evaporation Rate (nBuOAc=1): N.A.
Solubility in Water: Appreciable	Appearance and Odor: Yellow liquid, lemon odor
pH (10% solution): 7.6-7.8	

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: Conditions to Avoid: None Known
 Stable: X
 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

FOODSERVICE JOY Material Safety Data Sheet (continued)

SECTION V - HEALTH AND SAFETY DATA
<p>Route(s) of Entry: Oral, skin contact, eye contact.</p> <p>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.</p> <p>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.</p> <p>Medical Conditions Generally Aggravated by Exposure: Pre-existing dermatitis may be aggravated by prolonged contact with concentrated material.</p> <p>Emergency and First Aid Procedures: <i>Eye contact:</i> Flush thoroughly with water for 10 - 15 minutes. <i>Ingestion:</i> Drink a glassful of water. <i>Skin Contact:</i> If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or reoccur, seek medical attention.</p> <p>Other: N.A.</p>

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE
<p>Precautions to be Taken in Handling and Storing: None required.</p> <p>Other Precautions: NK</p> <p>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.</p> <p>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.</p>

SECTION VII - SPECIAL PROTECTION INFORMATION		
Respiratory Protection (Specify Type): None required with normal use.		
Ventilation	<i>Local Exhaust:</i> None required with normal use.	<i>Special:</i> None
	<i>Mechanical (General):</i>	<i>Other:</i> 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 on 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.

MATERIAL SAFETY DATA SHEET

CBI POWER

HAZARD RATING	EHE	REACTIVE
4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT	TOXICITY	SPECIAL

SECTION 1 - PRODUCT INFORMATION DATE OF ISSUE: 6/1/92

Supplier Name: CHENEY BROTHERS, INC Emergency Telephone No. 1-800-255-3924

Address: 516 Monoceaux Road, West Palm Beach, FL 33405

Trade Name: CBI POWER Product Type: DISHWASHING DETERGENT

Chemical Family: N/A Formula: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO	PERCENT (optional)	TLV (Source)
Trade Secret [per OSHA Hazard Communication Standard 1910.1200 (i)]	N/A	to 100%	

SECTION 3 - PHYSICAL DATA

Boiling Point (°F): 214°F initial Specific Gravity (H₂O=1.0): 1.03 pH: 8.0 ± 2

Vapor Pressure (mm-Hg): 20mm Hg@ 68°F Vapor Density (Air=1): >1

Solubility in Water: 100%

Evaporation Rate (vs H₂O): <1

Appearance and Odor: Thick green liquid with pleasant odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.): None to Boiling Flammable Limits: N/A Upper: N/A Lower: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: Non-flammable. Drums heated by a fire can burst.

Unusual Fire and Explosion Hazards: N.A.

SECTION 5 - REACTIVE DATA

Stability: Stable Incompatibility: N/A

Hazardous Decomposition Products: N/A

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value-Product (See Section 2 for Ingredient TLV): None Established Not Applicable Source

Signs and Symptoms of Over-exposure (Acute): Eye irritant. Defatting to skin on repeated contact.

Signs and Symptoms of Over-exposure (Chronic): Unknown

Medical Conditions Aggravated by Over-exposure: Unknown

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes with water. Contact a doctor if irritation persists

Skin: N/A

Ingestion: N/A

Inhalation: N/A

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.

Ventilation Requirements: Local Exhaust Mechanical Other

Protective Gloves: N/A Eye Protection: N/A

Other Protective Clothing: None

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Mop up or otherwise absorb and hold for disposal.

Disposal Methods: Any method in accordance with applicable laws.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Keep container closed during storage. Keep out of reach of children. For industrial or institutional use only.