# MATERIAL SAFETY DATA SHEET

**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 souring agents (anionic and nonionic surfactants), dispensing aid (ethanol alcohol), water, stabilizing agents, colorant and perfume.

**Other:** N.A.

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS No.</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Other Limits Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>N.K.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1900 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**DGTV 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°F)</td>
<td>N.A.</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1):</td>
<td>1.02</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N.A.</td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>65%</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>N.A.</td>
</tr>
<tr>
<td>Evaporation Rate (nBu:Ac = 1)</td>
<td>N.A.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Appreciable</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Yellow liquid, lemon odor</td>
</tr>
<tr>
<td>pH (10% solution)</td>
<td>7.6-7.8</td>
</tr>
</tbody>
</table>

## 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: X**
- **Stable:** N.K.

**Incompatibility (Materials to Avoid):** N.K.

**Hazardous Decomposition/By Products:** N.K.

**Hazardous**
- **May Occur:** N.K.

**Polymerization**
- **Will Not Occur:** X

**Conditions to Avoid:** None Known
FOODSERVICE JOY Material Safety Data Sheet (continued)

SECTION VI - 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 VII - 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.

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MATERIAL SAFETY DATA SHEET

CBI POWER

SECTION 1 - PRODUCT INFORMATION

Product Name: CBI POWER
Product Type: DISHWASHING DETERGENT
Chemical Family: 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% | N/A

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) | 214°F initial
Specific Gravity (H2O=1.0) | 1.03
Vapor Pressure (mm Hg) | 20mm Hg @ 68°F
Vapor Density (Air=1) | >1
Solubility in Water | 100%
Evaporation Rate (v/s H2O) | <1
Appearance and Odor | Thick green liquid with pleasant odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) | 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 9 for Ingredient TLV)
[ ] None Established [X] 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 | [X] 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