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

HMIS® Health Flammability 0 Reactivity

SAFETY DATA SHEET

Issue Date: 2/99

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.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name

Common Name

CAS No.

OSHA

Other Limits Recommended

Ethanol

Ethyl Alcohol

64-17-5

TLV 1000 ppm

ACGIII

PEL 1000 ppm

N.K.

1900 mg/m³

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)

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 ($H_2O = 1$): 1.02

Percent Volatile by Volume (%): 65% Evaporation Rate (nBu0Ac=1): N.A.

Appearance and Odor: Yellow liquid, lemon odor

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

Incompatibility (Materials to avoid): N.K.. Hazardous Decomposition/By Products; ,N.K.

Hazardous

May Occur:

Polymerization Will Not Occur! X

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Conditions to Avoid: None Known

Conditions to Avoid: None Known

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

Health Hazards (Acute and Chronic): Eye; May cause mild, tunisient infitation, Ingostion: 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 reducts if accidental eye contact occurs. Prolonged contact with concentrated material may be transiently initiating 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: Ene contact: Flush thoroughly with water for 10 - 15 minutes. Ingestion: Drink a glassful of water. Skin Contact: If prolonged contact occurs, rinse theroughly with water. If spilled on clothing, change clothes. If symptoms persist or reoccur, seek medical attention. Other: N.A.

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.

Respiratory Protection (Specify Type): None required with normal use.

Ventilation

Local Exhaust: None required with normal use.

Mechanical (General):

Special; None . Others None

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

use, Protective gloves (rubber, neoprone) 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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