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Procter & Gamble
Fabric and Home Care Division
Sharon Woods Technical Center
11530 Reed Hartman Highway
Cincinnati, OH 45241-2422

MATERIAL SAFETY DATA SHEET

MSDS #: H94000M

Supersedes: N/A

Issue Date: 11/1/99

Last Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **Disinfectant Powder Cleanser**

Use: **Powdered All-Purpose Cleanser**

Brands: **COMET (Regular and Lemon Fresh fragrances)**

Hazard Rating: 1

Health: 1

4=EXTREME

Flammability: 0

3=HIGH

Reactivity: 0

2= MODERATE

1=SLIGHT

Emergency Telephone Number: 24hr P&G Operator - 1-800-926-9441 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Bleach, cleaning agents (calcium carbonate, sodium carbonate, anionic surfactants), quality control agents, perfume, color. Comet Cleanser contains no phosphorus.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Calcium carbonate	Limestone	1317-65-3	ACGIH TWA: 10mg/m ³ (total dust) / 5 mg/m ³ (respirable dust) OSHA PEL: 15 mg/m ³	60-100%	NA/NA
Silica, quartz	Quartz (naturally occurring component of limestone)	14808-60-7	ACGIH TWA: 0.1mg/m ³ (respirable dust) OSHA TWA: 0.1 mg/m ³	0.1-1%	9 g/kg/NA

SECTION III - HAZARDS IDENTIFICATION**Health Hazards (Acute and Chronic):**

Ingestion: Mild mucous membrane irritant.
 Eye Contact: Mild eye irritant.
 Inhalation: Mild respiratory irritant.
 Skin: Mild skin irritant.

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in gastrointestinal irritation with nausea, vomiting and diarrhea.
 Eye Contact: Prolonged skin contact or direct contact with eye may result in superficial, temporary irritation similar to those produced by other household detergents.
 Skin: Prolonged skin contact or direct contact with eye may result in superficial, temporary irritation similar to those produced by other household detergents.
 Inhalation: No hazards under normal conditions of product use or within the occupational exposure guidelines. Unusually high exposures may cause coughing or irritation of nose and throat.

SECTION IV - FIRST AID INFORMATION**Emergency and First Aid Procedures:**

Ingestion: Dilute with fluids and treat symptomatically.
 Eye Contact: For accidental eye contact, flush thoroughly with water for 15 minutes.
 Skin: Wash with soap and water and discontinue use.
 Inhalation: For accidental, high level inhalation, remove to fresh air. Get medical attention if coughing persists.

Other: Consumer product package has a caution statement: CAUTION: KEEP OUT OF REACH OF CHILDREN. May cause eye irritation. In case of eye contact, flush thoroughly with water. If irritation persists, see a physician. If swallowed, drink a glass of water to dilute. Do not mix with other products especially toilet bowl cleansers and products that contain ammonia.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A **Explosive Limits:** *LEL:* N/A *UEL:* N/A
Extinguishing Media: Use CO₂, water, or dry chemical.
Special Fire Fighting Procedures: None required.
Unusual Fire Hazards: None known.
Stability *Unstable:* *Conditions to Avoid:* None known
 Stable: X
Incompatibility (Materials to Avoid): Ammonia and acids.
Hazardous Decomposition/By Products: Chlorine gas.
Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None known
 Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES**Personal Precautions:** None**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Product contains biodegradable surfactant. If permitted, flush small quantities down sewer drain with large excess of water or dispose of at landfill.**Steps To Be Taken in Case Material is Released or Spilled:** Vacuum to remove spill and place in trash container for disposal or flush with water. Do not dry sweep.**SECTION VII - HANDLING AND STORAGE****Precautions To Be Taken in Handling and Storing:** Avoid moisture when storing to prevent loss of bleaching action and to prevent caking.**Other Precautions:** None required.**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Respiratory Protection (Specify Type):** None required with normal use. For bulk handling or other dusty conditions, use respiratory protection approved by NIOSH for dust.**Ventilation** *Local Exhaust:* None required with normal consumer use.*Special:* None*Mechanical (General):* Acceptable.*Other:* None**Eye Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles.**Protective Gloves:** None required with normal use.**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** N/A**Specific Gravity (H₂O=1):** ca. 1**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ca. 1**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** N/A**Odor Threshold:** N/A**Freezing Point:** N/A**Coefficient of Water/Oil Distribution:** N/A**pH (1% solution):** N/A**Scooped Density:** N/A**Solubility in Water:** Moderately**Appearance and Odor:** Green powder, cedar pine or lemon scent.**Reserve Alkalinity:** N/A

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known

Explosion Data – Sensitivity to Mechanical Impact: None

Explosion Data – Sensitivity to Static Discharge: None

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None known

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

Calcium carbonate, an ingredient of this product, contains small amounts of crystalline silica (quartz) as a naturally occurring impurity. Prolonged, excessively high exposures to respirable crystalline silica may result in reduced lung function in some individuals. IARC has found sufficient evidence to classify crystalline silica as a carcinogen in animals, but there is limited evidence in humans.

LD50 (rats oral): 9 g/kg

ED50: 0.23 g/kg

PRODUCT as a whole:

CARCINOGENICITY: None Known

SENSITIZATION EFFECTS: None Known

REPRODUCTIVE EFFECTS: None Known

SYNERGISTIC EFFECTS: None Known

SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product contains biodegradable surfactant. If permitted, flush small quantities down sewer drain with large excess of water or dispose of at landfill. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: Comet cleanser is not DOT hazardous, and is not regulated under the DOT Hazardous Material Regulations (49 CFR, parts 171-180) which govern the sale and transport of hazardous materials.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

No components of Comet are subject to California Proposition 65.

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

SECTION XVI - OTHER INFORMATION

*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.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.

