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Procter & Gamble  
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## MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 8/01

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### SECTION I - CHEMICAL PRODUCT

Identity Food contact surface sanitizer

Brands: CLEAN QUICK Chlorine Sanitizer (Professional Line)

Hazard Rating: 3

Health: 3

4=EXTREME

Flammability: 0

3=HIGH

Reactivity: 0

2=MODERATE

1=SLIGHT

Emergency Telephone Number: - 1-800-332-7787 or call Local Poison Control Center

### SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Sodium dichloroisocyanurate dihydrate, sodium sulfate sodium tripolyphosphate

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>
Sodium dichloro-isocyanurate dihydrate	Sodium DCC	2893-78-9	ACGIH TLV: 10mg/m <sup>3</sup> OSHA PEL: 15 mg/m <sup>3</sup>	25% (label)	LD50 = 735 mg/kg (rat)

### SECTION III - HAZARDS IDENTIFICATION

#### Health Hazards (Acute and Chronic):

Ingestion: Harmful or fatal if swallowed. May be emetic at use dilution and may cause nausea, vomiting and diarrhea.

Eye Contact: Possible permanent corneal damage. Dust can cause burning of eyes. Mild eye irritant at use dilution.

Inhalation: Large amounts of dust are corrosive to the respiratory tract. Breathing dusts can destroy the mucous membranes. Not an inhalation hazard at use dilution.

Skin: Causes skin burns. Mild skin irritant at use dilution

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

- Ingestion:** If swallowed, do not induce vomiting. Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.
- Eye Contact:** Flush thoroughly with water for 15 minutes. Seek medical attention immediately.
- Inhalation:** Remove victim to fresh air. Give artificial respiration, if not breathing, but not to an unconscious or convulsing person. Call a physician.
- Skin:** Immediately brush off excess chemical. Wash with plenty of water for 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Get medical attention if symptoms are present.

**Other:** Product package has a caution statement: DANGER: KEEP OUT OF REACH OF CHILDREN. Corrosive, causes irreversible eye damage. May be fatal if inhaled. Causes skin irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** N/A

**Explosive Limits:** LEL: N/A UEL: N/A

**Extinguishing Media:** Water spray, alcohol foam, CO<sub>2</sub>.

**Special Fire Fighting Procedures:** Firefighters and others subjected to products of decomposition should wear full protective clothing and self-contained breathing apparatus. Chlorine-containing gases with traces of phosgene can be liberated at temperatures in excess of 400°F.

**Unusual Fire Hazards:** Nitrogen trichloride can be generated by reaction of water on this product under certain conditions.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use appropriate protection (impervious gloves, coveralls, boots, goggles, etc.) when handling large amounts of undiluted material.

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Product contains biodegradable surfactant. If permitted, flush down sewer drain with large excess of water or dispose of at landfill.

**Steps To Be Taken in Case Material is Released or Spilled (undiluted product):** Contain spill. Remove as much as possible and reuse if possible. Keep spilled material dry. Do not allow water or other non-compatible substances to come in contact with spilled material. Sweep or vacuum all spilled material, contaminated soil and other contaminated material and place in a clean dry container for disposal. Complete cleanup on a dry basis. 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 (of undiluted product):** Avoid moisture when storing to prevent loss of bleaching action and to prevent caking. Mix only with water. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat and liberation of hazardous gases. In case of contamination or decomposition do not reseal container. Store in a cool, dry area away from direct sunlight and heat.

**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/MSHA for dust.

**Ventilation** *General*

**Eye Protection:** Wear goggles or face shield. None required at use dilution.

**Protective Gloves:** Gloves coated with rubber, synthetic elastomers, PVC or other impervious material. None required at use dilution.

**Other Protective Equipment:** None required with normal use.

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point ° F:** N/A

**Vapor Pressure (mm Hg):** N/A

**Vapor Density (Air=1):** N/A

**Odor Threshold:** N/A

**Coefficient of Water/Oil Distribution:** N/A

**Scooped Density:** N/A

**Appearance and Odor:** White granules, slight chlorine scent

**Specific Gravity (H<sub>2</sub>O=1):** N/A

**Percent Volatile by Volume (%):** N/A

**Evaporation Rate (nBuOAc=1):** N/A

**Freezing Point:** N/A

**pH (use dilution):** 7.3

**Solubility in Water:** Appreciable

**Reserve Alkalinity:** N/A

#### SECTION X - STABILITY AND REACTIVITY

**Possible Hazardous Reactions/Conditions:** None known

**Conditions to Avoid:** None

**Materials to Avoid:** Acids. Also avoid contact with easily oxidizable organic material: ammonia, urea or similar nitrogen-containing compounds, inorganic reducing compounds, calcium hypochlorite and alkalis.

**Hazardous Decomposition Products:** Chlorine-containing gases can be produced. Traces of phosgene can be liberated at high temperatures (above 400°F)

**Other Recommendations:** None

**Stability:** *Stable*

**Hazardous Polymerization:** *Will not occur*

#### SECTION XI - TOXICOLOGICAL INFORMATION

N/A

## SECTION XII - ECOLOGICAL INFORMATION

No concerns

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Wastes resulting from the normal use of this product may be disposed of on site or at an approved disposal facility. If permitted, large amounts may be flushed down sewer drain with large excess of water or disposed of at landfill. Rinse empty container thoroughly with water and discard by placing in trash collection. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION XIV - TRANSPORT INFORMATION

**DOT Classification:** Not regulated. Not DOT hazardous.

## 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.

EPA Reg. No.# 10634-19-3573

No components of Clean Quick Chlorine Sanitizer 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.