



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

HMS®
Health 3
Flammability 0
Reactivity 0

MATERIAL SAFETY DATA SHEET

Issue Date: 3/00

SECTION I

Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100 or Local Poison Control Center
Identity: **CLEAN QUICK Chlorine Sanitizer**
Ingredients/Chemical Name: Sodium dichloroisocyanurate dihydrate, sodium sulfate, sodium tripolyphosphate.
Other: This product is an EPA registered pesticide (EPA Reg. No. 10634-19-3573)

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
Sodium dichloroisocyanurate dihydrate	Sodium DCC	2893-78-9	10mg/m ³	15 mg/m ³	LD ₅₀ =735 mg/kg

DOT Classification: Not regulated

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: N.A.	Specific Gravity (H₂O=1): 1.0-1.2
Vapor Pressure (mm Hg): N.A.	Percent Volatile by Volume (%): N.A.
Vapor Density (Air=1): N.A.	Evaporation Rate (nBuOAc=1):
Solubility in Water: Appreciable	Appearance and Odor: White granular powder, mild chlorine odor.
pH (use dilution) 7.3	

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): N.A. **Explosive Limits:** LEL: N.A. UEL: N.A.

Extinguishing Media: Flood with massive amounts of water.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus. Use water spray to cool containers and structures exposed to fire.

Unusual Fire Hazards: At temperature over 400°F chlorine contains gases with traces of Phosgene that may be liberated. Small quantities of water can react with this product to form hazardous quantities of nitrogen trichloride which is violently explosive.

Stability *Unstable:* *Conditions to Avoid:* Excessive heat and contamination of any kind, including moisture.
Stable: X

Incompatibility (Materials to avoid): Avoid moisture acids, bases, oxidizing and chlorinating agents, organic materials, ammonia, ammonium compounds, hydrated salts, urea, inorganic reducing compounds, calcium hypochlorite and nonionic surface active agents.

Hazardous Decomposition/By Products: At temperatures above 400°F toxic gases are liberated containing nitrogen trichloride, chlorine, carbon monoxide and cyanogen chloride

Hazardous *May Occur:* *Conditions to Avoid:* None
Polymerization *Will Not Occur:* X

CLEAN QUICK CHLORINE SANITIZER Material Safety Data Sheet (continued)

SECTION V - HEALTH AND SAFETY DATA

Route(s) of Entry: Inhalation, swallowed
Health Hazards (Acute and Chronic): Dusts are corrosive to the entire respiratory tract. Breathing dust can destroy the mucous membranes. Prolonged or repeated exposure may cause skin sensitization. Swallowing large doses may cause kidney or liver damage and death. Prolonged eye contact may damage the eyes.
Signs and Symptoms of Exposure: May cause pneumonitis, chemical burns. Swallowing dusts or solids causes severe irritation and/or burns to the mouth, throat, mucous membranes and gastrointestinal tract. Dusts will irritate the eyes.
Medical Conditions Generally Aggravated by Exposure: None Known
Emergency and First Aid Procedures: *If swallowed:* Do not induce vomiting. If conscious give lots of water, milk or raw egg whites. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person. *Skin Contact:* Immediately brush off excess chemical and flush skin with lots of running water for 15 minutes. Remove contaminated clothing and shoes, wash before reuse. Get immediate medical attention if irritation persists after washing. *Inhalation:* Remove to fresh air. Give artificial respiration if not breathing, but never to an unconscious or convulsing person. Get immediate medical attention. *Eye Contact:* Flush thoroughly for 15 minutes. Get medical attention.
Other: N.A.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be Taken in Handling and Storing: Strong oxidizing agent. Mix only with water. Use dry, clean utensils. Do not mix this product with any other chemical or gross filth. Such use may cause violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water, if necessary.
Other precautions: Do not cut, grind, weld or drill on or near this container.
Steps to Be Taken in Case Material is Released or Spilled: Wear NIOSH/MSHA approved self-contained breathing apparatus, goggles, coveralls and impervious gloves and boots. Isolate spilled material and keep dry. Sweep up and place in DOT approved containers for waste disposal. Do not seal container, place outside or in a well ventilated area. Flush any residue with large amounts of water. Comply with all applicable governmental regulations on spill reporting and handling of disposal of waste.
Waste Disposal Method: Wastes resulting from the use of this product may be disposed on site or at an approved waste disposal facility. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

SECTION VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH approved dust respirator or mask in the absence of adequate environmental controls at the point of use.
Ventilation *Local Exhaust:* Local mechanical exhaust capable of minimizing dust emissions at point of use *Special:* None required
Mechanical (General): None required *Other* None required
Eye Protection: Chemical goggles recommended. Not required at use dilution. **Protective Gloves:** Rubber gloves recommended. Not required at use dilution.
Other Protective Equipment: For manufacturing facilities an eyewash station and safety shower should be available. Long-sleeved shirt, trousers and rubber apron may also be required. None required at use dilution.

*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.