

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Clean Quick Chlorine Sanitizer Cleaner - Powder - Concentrate
Product Code 98668776
Version # 05
Revision date 04-06-2011
Manufacturer Address Procter & Gamble Professional
2 P&G Plaza
Cincinnati
Ohio
45202
US
P&G Telephone Number: 1-800-332-7787
Emergency 24-hr Telephone #: CHEMTREC 1-800-424-9300

2. Hazards Identification

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Corrosive. Severely irritating; if not removed promptly, will injure eye tissue, which may result in permanent damage.
Skin Harmful if absorbed through skin. Causes burns.
Inhalation Irritating to mucous membranes.
Ingestion Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential environmental effects May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
SODIUM DICHLOROISOCYANURATE	2893-78-9	3-7

4. First Aid Measures

First aid procedures

Eye contact Immediately rinse with water for several minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately. Continue to rinse.
Skin contact Remove contaminated clothing. Continue to rinse for at least 15 minutes. Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. Perform artificial respiration if breathing has stopped and call an ambulance. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Ingestion Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. If medical advice is needed, have product container or label at hand.

Notes to physician If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5. Fire Fighting Measures

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media

Suitable extinguishing media

Water. Water spray. Dry powder. Carbon dioxide (CO₂).

Large amounts of water can extinguish thermally decomposing material, or the decomposing material can be isolated and allowed to be consumed.

Protection of firefighters

Specific hazards arising from the chemical

Chlorine-containing gases can be produced upon decomposition. Traces of phosgene can be liberated at high temperatures (above 400 F). Nitrogen trichloride can be generated by reaction with water under certain conditions.

Protective equipment and precautions for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Wear suitable protective clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up methods and materials and containment measures

Sweep up or vacuum up spillage and collect in suitable container for disposal. DO NOT GET WATER on spilled material or inside containers. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling

Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. Do not get this material in contact with skin or eyes. Wash hands thoroughly after handling. Keep out of reach of children.

Storage

Keep away from moisture. Keep the container in a well-ventilated place. Store in a cool place in original container and protect from sunlight.

8. Exposure Controls / Personal Protection

Engineering controls

Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Eye / face protection

Wear chemical goggles or face shield.

Skin protection

Rubber gloves. PVC or other plastic material gloves.

Respiratory protection

Not normally needed.

General hygiene considerations

Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color

White.

Odor

Slight chlorine.

Odor threshold

Not available.

Physical state

Solid.

pH

not applicable

Melting point

Not available.

Freezing point

Not available.

Boiling point

Not available.

Flash point

Not available.

Evaporation rate

Not available.

Vapor pressure

Not available.

Specific gravity

1.44

Solubility (water)

26g/100 ml

Partition coefficient (n-octanol/water)

Not available

VOC

0 % estimated

Percent volatile

0 % estimated estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions.
Conditions to avoid	Do not mix with acidic products. Avoid contact with inorganic reducing compounds, calcium hypochlorite, alkalis, and easily oxidizable organic material: ammonia, urea or similar nitrogen-containing compounds.
Hazardous decomposition products	Chlorine-containing gases can be produced upon decomposition. Traces of phosgene can be liberated at high temperatures (above 400 F).
Hazardous polymerization	Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

SODIUM DICHLOROISOCYANURATE (2893-78-9)	Acute Oral LD50 Rat: 1420 mg/kg
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Sensitization	Not available.
Local effects	Corrosive to skin and eyes. Irritating to respiratory system.
Chronic effects	Not available.
Skin corrosion/irritation	Corrosive effects.

12. Ecological Information

Environmental effects	Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.
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13. Disposal Considerations

Disposal instructions	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not applicable.

14. Transport Information

DOT

Not regulated as dangerous goods.

IMDG

Basic shipping requirements:

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (SODIUM DICHLOROISOCYANURATE), LTD QTY
Hazard class	9
UN number	3077
Packing group	III

IATA

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15. Regulatory Information

US federal regulations This is an EPA-registered pesticide (Registration No. 1275-27-3573).

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

State regulations

ILLRTK

Contains no Illinois Right To Know toxic substances.

US - Connecticut Hazardous Material Survey: Listed substance

SODIUM DICHLOORISOCYANURATE (CAS 2893-78-9) LISTED

US - Massachusetts RTK - Substance: Listed substance

SODIUM DICHLOORISOCYANURATE (CAS 2893-78-9) LISTED

SODIUM SULPHATE (CAS 7757-82-6) LISTED

US - New Jersey RTK - Special Hazard: Listed substance

Contains no New Jersey Right To Know special hazards.

US - New Jersey RTK - Substances: Listed substance

SODIUM DICHLOORISOCYANURATE (CAS 2893-78-9) LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

SODIUM DICHLOORISOCYANURATE (CAS 2893-78-9) LISTED

US - Rhode Island RTK - Hazardous Substances: Listed substance

SODIUM DICHLOORISOCYANURATE (CAS 2893-78-9) LISTED

Canadian regulations

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

HMIS® ratings

Health: 3
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 3
Flammability: 0
Instability: 0

Disclaimer

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.