



MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER

MANUFACTURER'S NAME & MAILING ADDRESS Aqua Systems, Inc. P.O. BOX 397 Arroyo Grande, CA 93421 EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) 800-535-5053	PREPARED BY Dana A. Nafziger TITLE Safety Supervisor	SIGNATURE DATE 02/18/00 PRODUCT INFORMATION TELEPHONE NO. (8-5 PST) 805-489-9250
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SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME AQUA PURE SANITIZER			
PRODUCT DESCRIPTION LOW TEMP DISHWASHING SANITIZER		FORMULA 0	CHEMICAL FAMILY Sanitizer
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME Hypochlorite Solution		HAZARD CLASS Hazardous Class
	SHIPPING ID NUMBER UN 1791		

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 212-218F	SPECIFIC GRAVITY NA	PHYSICAL FORM Liquid	COLOR Light Yellow
VAPOR PRESSURE (mm Hg) NA	MELTING POINT 29F	SOLUBILITY IN WATER Complete	SCENT Chlorine
VAPOR DENSITY (AIR = 1) NA	EVAPORATION RATE (BUTYL ACETATE = 1) NA	pH 2500 ppm SOLUTION 12.5-13.5	pH CONCENTRATE 13.5
OTHER			

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	CAS NUMBER	PERCENT
Sodium Hypochlorite	2mg/M3	2mg/M3	7681-52-9	NA
0	0	0	0	0
0	0	0	0	0

NFPA RATING:
HEALTH: HIGH FIRE: INSIGNIFICANT REACTIVITY: MODERATE

HMS RATING:
NA

CARCINOGENICITY:
NONE

(CONTINUED ON REVERSE SIDE)

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT	EYES Goggles or Face Shield. RESPIRATORY Not normally required with good ventilation.	GLOVES Neoprene or butyl rubber gloves.
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TYPES	OTHER Apron, Safety Shoes and Full Length Clothing.
VENTILATION	GENERAL MECHANICAL General Room Ventilation
	LOCAL EXHAUST Use local mechanical ventilation or open window, doors and/or vents.
PRECAUTIONS	HANDLING & STORAGE Store in cool, dry, well ventilated areas. Keep containers tightly closed when not in use.
	Wash thoroughly after handling.

SECTION 6 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE	INHALATION May cause irritation. Prolonged exposure may cause severe damage to the respiratory tract and lungs.
	INGESTION Can cause irritation and burn to mouth, throat, and digestive tract. Large quantities may result in death.
	SKIN & EYES Will burn skin and eyes. If left untreated will cause severe damage to skin and cornea.
	ACUTE & CHRONIC Permanent and severe eye, skin, digestive tract, or respiratory tract damage may result.
ROUTES OF ENTRY	<input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYES <input checked="" type="checkbox"/> INHALATION TARGET ORGANS EYES, SKIN AND LUNGS

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = NA UEL = NA	FLASH POINT NONE	METHOD USED NA
STABILITY	<input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID Excessive heat or cold.	
	<input type="checkbox"/> UNSTABLE	HAZARDOUS DECOMPOSITION PRODUCTS Hydrogen release from contact w/aluminum, zinc, or tin. Carbon monoxide from carbonates.	
HAZARDOUS POLYMERIZATION	<input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID NA	
INCOMPATIBILITY	MATERIALS TO AVOID Acids, Oxidizers, Aluminum, Tin, Zinc, brass and bronze.		

SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA Use fire extinguishing agents suitable for source of fire. Wear chemical protective clothing.
	SPECIAL PROCEDURES Not combustible. Self contained breathing apparatus and full protective clothing.
	UNUSUAL HAZARDS May be corrosive and may foam.
FIRST AID MEASURES	INGESTION: Do not induce vomiting. Drink large quantities of water and get immediate medical attention.
	SKIN: Flush with water for 15 minutes. Remove contaminated clothing. If irritation persists, consult a physician.
	EYES: Flush with water immediately for 15 minutes. Seek medical attention immediately.
SPILLS	STEPS TO BE TAKEN Alkaline resistant clothing, eye and skin protection. Keep out of sewers, storm drains and surface water.
RO =	1,000lbs.

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS. THE DATA CONTAINED IS BELIEVED TO BE ACCURATE. HOWEVER, SINCE USE CONDITIONS VARY AND ARE OUTSIDE OUR CONTROL, AQUA SYSTEMS, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTION AND SAFETY PRECAUTIONS.