



MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER

7028

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 2/27/2001
PRODUCT INFORMATION TELEPHONE NO. (8-5 PST) 805-489-9250		

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME AQUA BRIGHT BLEACH		
PRODUCT DESCRIPTION Sodium Hypochlorite - chlorine bleach	FORMULA Proprietary	CHEMICAL FAMILY Hypochlorite
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME NA	
	SHIPPING ID NUMBER UN 1791	HAZARD CLASS Corrosive Material

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 219F	SPECIFIC GRAVITY 1.24	PHYSICAL FORM Liquid	COLOR Clear / Pale yellow
VAPOR PRESSURE (Air = 1) NA	MELTING POINT -11	SOLUBILITY IN WATER Complete	SCENT Chlorine
VAPOR DENSITY (AIR = 1) NA	EVAPORATION RATE (Water = 1) NA	pH 2500 ppm SOLUTION 12.5-13.5	pH CONCENTRATE
OTHER Volatile : NA			

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	CAS Number	PERCENT
Sodium Hypochlorite	2	NE	7681-52-9	12.5
Sodium Hydroxide	2	2	1310-73-2	0.2
NFPA RATING: Health : Extreme; Fire : Minimal; Reactivity : High				
HMIS RATING:				
CARCINOGENICITY: None				

(CONTINUED ON REVERSE SIDE)

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES Goggles or Face Shield.	
	RESPIRATORY None normally required unless working directly with	GLOVES Gloves.
	OTHER As needed to avoid contact with skin and eyes. Eyewash Fountain.	
VENTILATION	GENERAL MECHANICAL Maintain adequate ventilation.	
	LOCAL EXHAUST Maintain adequate ventilation.	
PRECAUTIONS	HANDLING & STORAGE Store in cool, dry, well ventilated areas. Keep containers tightly closed when not in use. Avoid	
	contact with skin and eyes.	

SECTION 6 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE	INHALATION May cause irritation. Excessive exposure may result in severe injury to respiratory tract and lungs.		
	INGESTION Can cause irritation and burn to mouth, throat, and digestive tract. Large quantities may result in death.		
	SKIN May cause burn to skin. Extended exposure will burn and destroy surrounding tissue.		
	EYES Corrosive to eyes. Will cause severe injury, and will cause serious injury if not promptly treated.		
	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		

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = NA UEL = NA		FLASH POINT Non-Combustible	METHOD USED NA
	STABILITY <input checked="" type="checkbox"/> STABLE CONDITIONS TO AVOID Do not mix with anything but water. <input type="checkbox"/> UNSTABLE HAZARDOUS DECOMPOSITION PRODUCTS Chlorine gas			
HAZARDOUS POLYMERIZATION	<input type="checkbox"/> MAY OCCUR		CONDITIONS TO AVOID None currently known.	
	<input checked="" type="checkbox"/> WILL NOT OCCUR			
INCOMPATIBILITY	MATERIALS TO AVOID Heat, sunlight, Acids, ammonia, oxidizers or reducing agents.			

SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA Water, carbon dioxide or foam.		
	SPECIAL PROCEDURES Protective clothing and self-contained breathing apparatus.		
	UNUSUAL HAZARDS Strong oxidizer, may produce hazardous fumes.		
FIRST AID MEASURES	INGESTION: If conscious, give several glasses of water. Contact physician immediately. Do not induce vomiting.		
	SKIN: Wash exposed area with soap and water for 15 minutes. If irritation persists, contact a physician.		
	EYES: Flush eyes with cool water for at least 15 minutes. Contact a physician immediately..		
SPILLS	STEPS TO BE TAKEN Contain spill, collect and absorb. Place in approved container. Contact local, state and federal agencies.		
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