



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER

7023

MANUFACTURER'S NAME & MAILING ADDRESS <b>Aqua Systems, Inc.</b> P.O. BOX 397 Arroyo Grande, CA 93421 EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) 800-535-5053	PREPARED BY <b>Kenneth Alexander</b> TITLE <b>OSHA Compliance Manager</b>	SIGNATURE  DATE <b>9/12/2001</b> PRODUCT INFORMATION TELEPHONE NO. (8-5 PST) 805-489-9250
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## SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME <b>AQUA CLEAN DETERGENT- DIAMOND</b>		
PRODUCT DESCRIPTION <b>Low Temperature Dishwashing Detergent</b>	FORMULA <b>Proprietary</b>	CHEMICAL FAMILY <b>Alkaline Detergent blend</b>
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME <b>Potassium Hydroxide Solution</b>	
	SHIPPING ID NUMBER <b>UN 1814</b>	HAZARD CLASS <b>Corrosive, PGII, UN1814</b>

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT <b>212-218 F.</b>	SPECIFIC GRAVITY <b>1.11</b>	PHYSICAL FORM <b>Liquid</b>	COLOR <b>Light Red</b>
VAPOR PRESSURE (Air = 1) <b>&gt;1</b>	MELTING POINT <b>NA</b>	SOLUBILITY IN WATER <b>Complete</b>	SCENT <b>Light Odor of NaOH</b>
VAPOR DENSITY (AIR = 1) <b>Water Based</b>	EVAPORATION RATE (Water = 1) <b>&gt;1</b>	pH 2500 ppm SOLUTION <b>11.5 ±0.5</b>	pH CONCENTRATE <b>13.5 ±0.5</b>
OTHER			

## SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	CAS Number	PERCENT
Tetra-Potassium Pyro-Phosphate	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	1310-73-2	NA
Potassium Hydroxide 50%	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	1310-58-3	NA

NFPA RATING:  
**Health : Serious; Fire : Minimal; Reactivity : Moderate**

HMIS RATING:

CARCINOGENICITY:

(CONTINUED ON REVERSE SIDE)

### SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES Goggles or Face Shield.	
	RESPIRATORY If mist, Respirator w/Organic vapor Cartridge.	GLOVES Gloves.
	OTHER Apron, Safety Shoes and Full Length Clothing.	
VENTILATION	GENERAL MECHANICAL Local Mechanical exhaust ventilation.	
	LOCAL EXHAUST Local Mechanical exhaust ventilation.	
PRECAUTIONS	HANDLING & STORAGE Store in cool, dry, well ventilated areas. Keep containers tightly closed when not in use. Do not apply	
	pressure to empty containers. Wash thoroughly after handling.	

### 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 type="checkbox"/> INGESTION <input type="checkbox"/> SKIN <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYES <input type="checkbox"/> INHALATION	TARGET ORGANS

### SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = NA UEL = NA	FLASH POINT NA	METHOD USED NA
STABILITY	<input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID Excessive heat or contamination.	
	<input type="checkbox"/> UNSTABLE	HAZARDOUS DECOMPOSITION PRODUCTS Possible Flammable Hydrogen gas may be formed.	
HAZARDOUS POLYMERIZATION	<input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID	
INCOMPATIBILITY	MATERIALS TO AVOID Strong acids or oxidizers, also aluminum, tin, galvanized zinc, brass and bronze. Tricholoethylene.		

### SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA NA
	SPECIAL PROCEDURES NA
	UNUSUAL HAZARDS NA
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 occurs seek medical attention.
	Flush with water for 15 minutes. Seek immediate medical attention.
SPILLS	STEPS TO BE TAKEN Alkaline resistant clothing. Keep out of sewers, storm drains and surface water. Flush with water.
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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.