



# MATERIAL SAFETY DATA SHEET

## AQUANOX® A4615

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**1. COMPANY NAME AND ADDRESS:**

[www.kyzen.com](http://www.kyzen.com)

Kyzen Corporation  
430 Harding Industrial Drive  
Nashville, TN 37211  
PHONE: 615-831-0888

**(24 HOUR) EMERGENCY PHONE:**  
**CHEMTREC**  
**800-424-9300**

Effective: June 23, 2005  
Supersedes: May 18, 2005

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**2. INGREDIENTS:**

<u>Hazardous Components</u>	<u>CAS Number</u>	<u>Approximate %</u>
No ingredient is determined hazardous by OSHA definition	NA	NA

See Section 8 for exposure limits (if applicable).

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**3. HAZARDS IDENTIFICATION:**

**EMERGENCY OVERVIEW**

Clear straw colored liquid with a mild odor. May be irritating to eyes and skin and to mucous membranes if inhaled or swallowed.

Eyes: Contact may cause irritation.  
Skin: Skin contact may cause irritation, possibly severe.  
Ingestion: May be harmful if ingested.  
Inhalation: May be mildly irritating to lungs, nose and throat.

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**4. FIRST AID:**

Eyes: Immediately flush eyes with plenty of water for 15 minutes. If irritation develops, get medical attention.  
Skin: Remove contaminated clothing and shoes. Wash affected area with plenty of soap and water. Get medical attention. Wash contaminated items before reuse.  
Ingestion: If conscious, give person 1 to 2 glasses of water. Get medical help.  
Inhalation: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get medical help.

Medical Conditions Aggravated: Conditions aggravated may include disorders of the skin, respiratory and nervous systems.

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**5. FIRE AND EXPLOSION HAZARD DATA:**

Flash Point: None to boiling  
Flammability Limits in Air: None established  
Extinguisher Media: Standard methods including dry chemical, carbon dioxide, foam and water fog.  
Special Fire Fighting Procedures: Water should be used to keep fire-exposed containers cool. Prevent runoff from fire control from entering streams, sewers or drinking water supply.  
Combustion Products: Oxides of carbon and nitrogen.

**6. ACCIDENTAL RELEASE MEASURES:**

Small Spill: Use proper personal protective equipment. Dike area to contain spill. Pick up spill on absorbent, non-combustible material. Place into a chemical waste container. Don't flush into sewers or natural waterways. Wipe area with water to remove last traces.

Large Spill: Contain material as described above. If necessary, call the local fire or police department for immediate emergency assistance.

**7. HANDLING AND STORAGE:**

Handling: Do not eat, drink or smoke in handling area. Wear proper eye and skin protection. Follow proper handling procedures.

Storage: Keep container tightly closed. Store in cool (60-80°F) ventilated area. Keep separate from strong acids, and oxidizers and away from heat, sparks and open flame.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:**

Exposure Guidelines:

	Hazardous Component	Exposure Limits	
		OSHA PEL, ppm	ACGIH TLV, ppm
	None	NA	NA
Respiratory Protection:	Use NIOSH approved organic vapor air purifying respirator.		
Ventilation:	Use in well-ventillated area with local exhaust.		
Protective Gloves:	Impervious chemical, etc.		
Eye Protection:	Glasses, goggles or face shield, etc.		
Other Protective Equipment:	Eye fountain, safety shower, etc.		
Work Hygiene Practices:	Do not eat, drink, or smoke when handling industrial materials.		

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

pH 100%	11.4-12.4	Specific Gravity	1.022
pH 10%	11.3-12.3	Appearance	Clear straw liquid
Volatile Organic Compound (VOC):		Odor	Mild
EPA Method 24:	195.8 g/L	Solubility in water	Complete
Vapor Pressure, VOC Components:	0.04 mmHg at 20°C	Boiling Point	100°C

**10. STABILITY AND REACTIVITY:**

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong acids and oxidizers

Hazardous Decomposition: Oxides of carbon, nitrogen

Other: Do not add nitrates due to possible formation of nitrosoamines.

**11. TOXICOLOGICAL INFORMATION:**

Acute Toxicology: No data is available on product as a whole.

Chronic Toxicology: Not established on product as a whole.

Carcinogenicity: Contains no known or suspected carcinogens.

**12. ECOLOGICAL INFORMATION:**

Environmental Fate and Effects:

Ecotoxicity: Not established.

Mobility: Not established.

Persistence and Degradability: Not established.

Bioaccumulative Potential: Not established.

**13. DISPOSAL INFORMATION:**

Disposal of Material: Use approved treatment, transporters and disposal sites. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.  
 Empty Containers: Keep containers closed when not in use. Do not reuse empty containers.

**14. TRANSPORTATION:**

Not regulated.

US DOT: 49CFR172.101

Proper Shipping Name: Compounds, Cleaning Liquid.  
 Non-hazardous, Non-flammable  
 Hazard Class or Division: None  
 Identification No.: None  
 Packing Group: None  
 LABEL: None  
 Placard: None

**15. REGULATORY INFORMATION:**

29CFR 1910.1200: None  
 States Right-to-Know: None  
 TSCA Listed: Yes  
 CERCLA: No  
 SARA TITLE III, Section 313: None  
 SARA 302: No  
 SARA 311/312: Health: Acute  
 California Proposition 65: None

**16. OTHER INFORMATION:**

NFPA CODES:	HEALTH: 1	FIRE: 0	REACTIVITY: 0	
HMIS CODES:	HEALTH: 1	FIRE: 0	REACTIVITY: 0	PROTECTION: X

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