



MATERIAL SAFETY DATA SHEET

AQUANOX® A4630

1. COMPANY NAME AND ADDRESS:

www.kyzen.com

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

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

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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).

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

Clear straw colored liquid with an amine 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.

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.

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, ammonia, boron 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%	10.6-11.6	Specific Gravity	0.90-1.00 at 20°C
pH 10%	10.3-11.3	Appearance	Clear straw liquid
Volatile Organic Compound (VOC):		Odor	Mild Amine
EPA Method 24:	873.2 g/L	Solubility in water	Complete
Vapor Pressure, VOC Components:	17.23 mmHg at 20°C	Boiling Point	128°C

10. STABILITY AND REACTIVITY:

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong acids and oxidizers

Hazardous Decomposition: Oxides of carbon, nitrogen, ammonia and boron.

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: propylene glycol 107-98-2 PA
 Dimethylaminopropylamine 109-55-7 FL, MA, PA
 Tetrahydrofurfuryl alcohol 97-99-4 PA, MA
 TSCA Listed: Yes
 CERCLA: No
 SARA TITLE III, Section 313: None
 SARA 302: No
 SARA 311/312: Health: Acute
 California Proposition 65: None
 Canada: D2B
 RoHS Compliant: Yes

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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