



MATERIAL SAFETY DATA SHEET

AQUANOX® XJN PLUS

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>
2-amino ethanol	141-43-5	1-5

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

Clear straw colored liquid. May be severely 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: 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, and nitrogen.

6. ACCIDENTAL RELEASE MEASURES:

Small or large Spills: 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.

7. HANDLING AND STORAGE:

Handling: Do not eat, drink, or smoke in handling area. Wear proper eye protection. Follow proper handling procedures.
 Storage: Keep container tightly closed. Store in cool (60-80°F) ventilated area. Keep separate from strong acids, bases and oxidizers and away from heat, sparks and open flame.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure Guidelines:

OSHA Hazardous Component	Exposure Limits	
	OSHA PEL, ppm	ACGIH TLV, ppm
2-amino ethanol	3	3

Respiratory Protection: Use NIOSH approved organic vapor air purifying respirator.
 Ventilation: Use in well-ventilated 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:

Boiling Point	108-112°C	Specific Gravity	1.06-1.08 at 20°C
Vapor Pressure (Calculated)	<9 mmHg at STP	pH 100%	9.5-10.5
Vapor Density (Calculated)	2 (Air = 1)	Appearance	Clear light amber liquid
Volatile Organic Compound (VOC):		Odor	Mild/ low
EPA Method 24:	731.3 g/L	Solubility in Water	Complete
Vapor Pressure, VOC Components:	0.20 mmHg at 20°C		

10. STABILITY AND REACTIVITY:

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Strong acids, bases and oxidizers
 Hazardous Decomposition: Oxides of carbon, ammonia, 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: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. 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.

Proper shipping name: US DOT: 49CFR172.101
 Compound, 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: 2-amino ethanol (141-43-5)
 States Right to Know: 2-amino ethanol (141-43-5) CT, FL, IL, MA, NJ, PA, RI, LA, MI
 TSCA Listed: Yes
 CERCLA: No
 SARA TITLE III, Section 313: None
 California Proposition 65: None
 SARA 302: No
 SARA 311/312: Acute

16. OTHER INFORMATION:

NFPA CODES:	HEALTH: 2	FIRE: 1	REACTIVITY: 0	
HMIS CODES:	HEALTH: 2	FIRE: 1	REACTIVITY: 0	PROTECTION:X

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