



ZEP MANUFACTURING COMPANY
 Acuity Specialty Products Group, Inc.
 P.O. BOX 2015
 ATLANTA, GA 30301
 1-877-1-BUY-ZEP

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP A.I.O. (X-1802)

Product Use Concentrated Cleaner and Deodorant

Product Code 5064

Date of issue 03/22/02 **Supersedes**

Emergency Telephone Numbers **For MSDS Information:**
 Acuity Specialty Products Group, Inc.
 Compliance Services 1-877-1-BUY-ZEP

For Medical Emergency:
 INFOTRAC
 (877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency:
 CHEMTREC
 (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Printing date: 10/06/03

Prepared by Compliance Services Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
HYDROGEN PEROXIDE; peroxide	7722-84-1	<10	ACGIH TLV (United States). TWA: 1 ppm 8 hour(s). OSHA PEL (United States). TWA: 1 ppm 8 hour(s).
DIPROPYLENE GLYCOL N-PROPYL ETHER; 2-propanol, 1-(1-methyl-2-propoxyethoxy)	29911-27-1	<10	Not available.

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Inhalation. Ingestion.

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, or reddening. Prolonged contact can cause severe irritation or even burns.

Eyes Hazardous in case of eye contact (irritant). Prolonged contact with eye tissue may cause severe and permanent eye injury.

Inhalation Hazardous in case of inhalation (irritant). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.

Ingestion No data on acute toxicity of the product when ingested.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects There is no known effect from chronic exposure to this product.

See Toxicological Information (section 11)

HMIS

Health	2
Fire Hazard	0
Reactivity	1
Personal Protection	C

Section 4. First Aid Measures

Eye Contact Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If irritation persists, get medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	None.	Flammable Limits	Not determined.
Flammability	Non combustible.		
Fire Hazard	Substance releases oxygen when heated, which may increase the severity of an existing fire. Cool closed containers exposed to fire with water.		
Fire-Fighting Procedures	Wear special protective clothing and positive pressure, self-contained breathing apparatus.		



**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Do not wear leather. Wash contaminated clothing before reusing.
Storage	Do not store below 0°C or above 35°C. Keep away from heat and direct sunlight. Exposure to heat and sunlight accelerates decomposition. Avoid contact with wood. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Splash goggles.	
Body	Neoprene, Nitrile, or Rubber Gloves.	
Respiratory	Use with adequate ventilation. Avoid breathing vapors or spray mists.	

Section 9. Physical and Chemical Properties

Physical State	Thin liquid	Color	Colorless.
pH	3.5-4.0	Odor	Pleasant.
Boiling Point	104.4°C (220°F)	Vapor Pressure	Not determined.
Specific Gravity	1.03 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	1 compared to Water
		VOC (Consumer)	0.15% 1.5 (g/l)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with Flammables, Cyanides, oxidizing agents, and reducing agents.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Exposure to heat and exposure to sunlight accelerates decomposition.

Section 11. Toxicological Information

Toxicity to Animals	Not applicable.
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Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OECD	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	Waste Stream	Code: - (None.) Classification: - (Non-hazardous waste)
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Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name	None.		
DOT Classification	Not a DOT controlled material (United States).	UN number	Not regulated.

Section 15. Regulatory Information

U.S. Federal Regulations	SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
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Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.