



ZEP Manufacturing Company
Acuity Specialty Products Group, Inc.
P.O. Box 2015
Atlanta, GA 30301
1-877-I-BUY-ZEP (428-9937)

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP ROUND ROBIN
Product Use Alkaline Cleaner Degreaser
Product Code 7908
Date of issue 10/11/04 **Supersedes** 10/01/99
Emergency Telephone Numbers For MSDS Information:
Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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: 10/11/04

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
SODIUM METASILICATE; silicic acid (H ₂ -Si-O ₃) disodium salt; water glass	6834-92-0	<10	OSHA (United States). : 2 mg/m ³ Form: Dust
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	<10	OSHA PEL (United States). TWA: 100 ppm 8 hour(s). ACGIH TLV (United States). STEL: 150 ppm 15 minute(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Eye contact. Inhalation.
Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, or reddening.
Eyes Hazardous in case of eye contact. Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation Hazardous in case of inhalation. May cause respiratory tract irritation.
Ingestion No data on acute toxicity of the product when ingested.

HMIS

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.
Chronic Effects Prolonged contact with eye tissue may cause severe and permanent eye injury (blindness). Repeated skin exposure can produce local skin destruction, or dermatitis.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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	Closed cup: Higher than 93.3°C (200°F). (Tagliabue.)	Flammable Limits	Not available.
Flammability	Non combustible.		
Fire Hazard	Not applicable.		
Fire-Fighting Procedures	Not applicable.		

**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. To clean the floor and all objects contaminated by this material, use detergent. 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 ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes	Safety glasses with side shields.	
Body	Chemical resistant gloves (Neoprene, Nitrile, Rubber). Recommended: Synthetic apron.	
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

Section 9. Physical and Chemical Properties

Physical State	Thin liquid	Color	Colorless. Clear.
pH	12.4 - 13.0	Odor	Mild.
Boiling Point	104.44°C (220°F)	Vapor Pressure	Not applicable.
Specific Gravity	1.16 (Water = 1)	Vapor Density	Not applicable.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	1 compared to Water
		VOC (Consumer)	6.0% 70 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with oxidizing agents, acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon Dioxide, Carbon Monoxide and other organic materials..

Section 11. Toxicological Information

Toxicity to Animals	Sodium Metasilicate:
	ORAL (LD50): Acute: 1280 mg/kg [Rat].
	Dipropylene Glycol Methyl Ether:
	DERMAL (LD50): Acute: >19200 mg/kg [Rabbit].

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: D002 Classification: corrosive hazardous waste.
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Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name	Not applicable.	UN number	Not regulated.
DOT Classification	Not a DOT controlled material (United States).		

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.

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.