

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

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEPAMINE A
Product Use Sanitizer, Deodorants.
Product Code 1823
Date of issue 12/09/04 **Supersedes** 02/10/99
This product is a registered pesticide. Number: 1270-171
Emergency For MSDS Information:
Telephone Numbers 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: 12/09/04

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
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-3; 68956-79-6; 64-17-5	10	ACGIH TLV (United States). TWA: 1000 ppm 8 hour(s). OSHA PEL (United States). TWA: 1900 mg/m ³ 8 hour(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact.
Skin Hazardous in case of skin contact (corrosive, irritant). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Eyes Hazardous in case of eye contact (corrosive). Direct contact with the eyes can cause irreversible damage including blindness.
Inhalation Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.
Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

HMIS

	3
	6
	0
Personal Protection	D

Carcinogenic Effects

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



Chronic Effects

Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. 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. Wash clothing before reuse. 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. Get medical attention immediately.

Product Code 1823		Material Safety Data Sheet	Product Name ZEPAMINE A		
Section 5. Fire Fighting Measures					
Flash Point	Not applicable.	Flammable Limits Not applicable.			
Flammability	Not applicable.				
Fire Hazard	Not applicable.				
Fire-Fighting Procedures	Use an extinguishing agent suitable for surrounding fires. Do not release runoff from fire to sewers or waterways.				
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.				
Section 7. Handling and Storage					
Handling	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Apply this product only as specified on the label. Do not reuse product container. Wash contaminated clothing before reusing. Wash thoroughly after handling.				
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. 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	Chemical splash goggles or face shield.				
Body	Wear appropriate protective clothing to prevent skin contact. Neoprene gloves. Nitrile gloves. Rubber gloves.				
Respiratory	A respirator is not needed under normal and intended conditions of product use.				
Section 9. Physical and Chemical Properties					
Physical State	Liquid.	Color	Clear. Orange.		
pH	7.0-7.5	Odor	Characteristic.		
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.		
Specific Gravity	0.99 (Water = 1)	Vapor Density	Not determined.		
Solubility	Easily soluble in cold water, hot water.		Evaporation Rate 1 compared to Water		
		VOC (Consumer) 13.9% (g/l). 0.12 lb/gal 1.40%			
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	Ammonia, Hydrogen Chloride (HCl), carbon oxides (CO, CO ₂) and nitrogen oxides (NO, NO ₂ ...).				
Section 11. Toxicological Information					
Toxicity to Animals	Quaternary Ammonium Chlorides: ORAL (LD50): Acute: 250 mg/kg (Rat).				
Section 12. Ecological Information					
Ecotoxicity	Toxic to aquatic organisms. Do not allow to enter drains or watercourses.				
Biodegradable/OECD	Not available.				
Section 13. Disposal Considerations					
Waste	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	Waste Stream Code:	-(Not applicable.)		
Information		Classification:	-(Non-hazardous waste)		
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.				

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.

PROD. #1823

Concentrated, Water-Based
Deodorant/Sanitizer

ZEP-AMINE A™

DESCRIPTION

A concentrated deodorant and sanitizer containing a combination of two active quaternary ammonium compounds in a water base.

FEATURES

- Disinfects
- Deodorizes
- Sanitizes
- Controls Algae
- Effective in Hard Water
- Contains Two Active Disinfectants
- Highly Concentrated
- CFIA Authorized
- Colour-coded

BENEFITS

- Kills *Staphylococcus aureus*, *Salmonella typhosa*, *Pseudomonas aeruginosa*, and many other organisms when used as directed.
- Kills most organisms that cause odours. Deodorizes quickly and effectively without leaving a strong masking odour of its own. Excellent for hospital wards, bathrooms, waiting rooms and many other areas.
- Requires no potable water rinse when used at 1:500 parts water to sanitize glassware, dishes, equipment, cooking utensils, and other food contact surfaces.
- Excellent for use in swimming pools and industrial water cooling systems to control algae. Maintains pool water clear of algae and allows maximum operating efficiency of cooling systems.
- Effective in water containing up to 750 ppm hardness when tested by AOAC Germicidal and Detergent Sanitizers (Chambers Method).
- Provides balanced killing action with two quaternary ammonium compounds for broad spectrum control.
- Contains 10% active quaternaries, Guaranteed Minimum Phenol Coefficients (AOAC Method): *Staphylococcus aureus* - 90; *Salmonella typhosa* - 60.
- Authorized for use in federally-inspected meat, poultry, rabbit, and egg processing plants as a sanitizer not always requiring a rinse.
- Product and labeling is colour-coded red (sanitizer) for easy use with other colour-coded Zep food systems products.

APPLICATIONS AND DILUTIONS

Use to sanitize glassware, dishes, utensils, food processing equipment, and food plant surfaces. Apply at 1:500 parts water after cleaning. No rinse required.

SPECIFICATIONS

Physical Form.....	Thin, water-based liquid	Specific Gravity.....	0.994
Colour.....	Clear, red	Shelf Life.....	1 year minimum
Odour.....	Mild, pleasant	Flash Point.....	None
pH (Concentrate).....	7.0 - 7.5	WHMIS.....	Not regulated
		TDG.....	Not regulated