



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 FS AMINE-B
Product Use Sanitizer.
Product Code 1824
Date of issue 05/21/04 **Supersedes** 04/14/93

This product is a registered pesticide. Number: 1270-229

Emergency For MSDS Information:

Telephone Acuity Specialty Products Group, Inc.
Numbers Compliance Services 1-877-I-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

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 N,N-didecyl-N, N-dimethylammonium chloride; Alkyl dimethylbenzylammonium chloride; ethanol	7173-51-5; 8001-54-5; 64-17-5	<10	Not established

Section 3. Hazards Identification

Acute Effects	Routes of Entry	Dermal contact. Eye contact.
Skin	Hazardous in case of skin contact (irritant). Direct contact may cause irritation and redness. Prolonged or repeated contact may dry skin and cause irritation.	
Eyes	Hazardous in case of eye contact (corrosive). Causes eye burns. Inflammation of the eye is characterized by redness, watering, and itching.	
Inhalation	Hazardous in case of inhalation (lung irritant). Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation.	
Ingestion	Harmful if swallowed.	

HMIS	
Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

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.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes 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.

Section 5. Fire Fighting Measures

Flash Point Not applicable.
Flammability Non-flammable.
Fire Hazard Not applicable.

Flammable Limits Not applicable.

**Fire-Fighting Procedures**

Use an extinguishing agent suitable for surrounding fires.

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 Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse product container. Observe label precautions.
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**

Eyes Chemical splash goggles or face shield.
Body Rubber gloves.
Respiratory Avoid inhalation of vapors and spray mist. A respirator is not needed under normal and intended conditions of product use.

Protective Clothing (Pictograms)**Section 9. Physical and Chemical Properties**

Physical State Liquid.
pH 6.0 - 7.0
Boiling Point 100°C (212°F)
Specific Gravity 0.98 (Water = 1)
Solubility Easily soluble in cold water, hot water.

Color Clear. Colorless.
Odor Slight.
Vapor Pressure Not determined.
Vapor Density Not determined.
Evaporation Rate 1 compared to Water
VOC (Consumer) 0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility None identified.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO₂), oxides of nitrogen, hydrogen chloride, Ammonia.

Section 11. Toxicological Information

Toxicity to Animals Not applicable.

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.

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not regulated.
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.

State Regulations California prop. 65: 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.