



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
 Atlanta, GA 30301
 1-877-I-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 ZEP SEWER-AID F.A.
Product Use Industrial Sewer & Drain Treatment
Product Code 1670
Date of issue 07/13/05 **Supersedes** 12/09/04

Emergency For MSDS Information:
Telephone Numbers 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: 07/13/05

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 HYDROXIDE; caustic soda; soda lye	1310-73-2	30-40	ACGIH TLV (United States). CEIL: 2 mg/m ³ Form: Dust
SODIUM NITRATE; chile saltpeter; soda niter	7631-99-4	20-30	Not established
ALUMINUM; METALLIC GRANULES	7429-90-5	5-10	ACGIH TLV / OSHA PEL (United States). : 5 mg/m ³ Form: Fume ACGIH TLV (United States). : 10 mg/m ³ Form: Dust OSHA PEL (United States). : 15 mg/m ³ Form: Dust
SODIUM CARBONATE; soda ash; carbonic acid; disodium salt	497-19-8	5-10	Not established

Section 3. Hazards Identification

Acute Effects

Routes of Entry Dermal contact. Eye contact. Inhalation.
 Ingestion.

Skin Extremely hazardous in case of skin contact (corrosive). Skin contact may produce burns. Skin contact can produce inflammation and blistering. The amount of tissue damage depends on length of contact.

Eyes Extremely hazardous in case of eye contact (corrosive). Eye contact can result in corneal damage or blindness.

Inhalation Extremely hazardous in case of inhalation (lung irritant). Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Over-exposure by inhalation may cause respiratory irritation.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat and stomach.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects

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

Chronic Effects

Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

See Toxicological Information (section 11)

HMIS

Health	3
Fire Hazard	0
Reactivity	2
Personal Protection	X

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes 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. Wash clothing before reuse. Get medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
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.	Flammable Limits	Not applicable.
Flammability	Not applicable.		
Fire Hazard	Reacts with water, producing toxic and corrosive fumes. In certain fire conditions, traces of other toxic gases may be emitted.		
Fire-Fighting Procedures	Cool containers with flooding amounts of water from as far a distance as possible. 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). Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Dispose of according to all federal, state and local applicable regulations.
-----------------------	--

Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Reacts with water, producing toxic and corrosive fumes. Do not breathe gas/fumes/ vapor/spray. Fumes highly irritant. Do not breathe dust. Do not ingest. Do not reuse product container. Use only with adequate ventilation. Wash thoroughly after handling. Do not use with other products. Observe label precautions.
Storage	Keep container tightly closed and dry. Contains moisture sensitive material; store in a dry place. May react in presence of moisture. Keep container in a cool, well-ventilated area. Keep away from food, drink and animal feeding stuffs. Do not contaminate water by cleaning of equipment or disposal of wastes. 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. Wear apron or coverall if potential for exposure to splashes. Nitrile gloves. Neoprene gloves. Rubber gloves. Suitable protective footwear.	
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. Wear appropriate respirator when ventilation is inadequate.	

Section 9. Physical and Chemical Properties

Physical State	Solid. (Crystalline granules solid.)	Color	Blue. (Light.)
pH	12.5 - 13.0 (1% Solution)	Odor	Odorless.
Boiling Point	Not applicable.	Vapor Pressure	Not applicable.
Specific Gravity	Not applicable.	Vapor Density	Not applicable.
Solubility	12g/100ml	Evaporation Rate	Not applicable.
		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Highly reactive with metals, acids, moisture. Do not use with other products.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon Dioxide (CO ₂) , Carbon Monoxide , Oxides of Nitrogen. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc. Reacts with water, producing toxic and corrosive fumes.

Section 11. Toxicological Information**Toxicity to Animals****Sodium Hydroxide:**

ORAL (LD50): Acute: 240 mg/kg [Rat].
DERMAL (LD50): Acute: 1350 mg/kg [Rabbit].

Sodium Nitrate:

ORAL (LD50): Acute: 3236 mg/kg [Rat].

Soda Ash Dense:

ORAL (LD50): Acute: 4090 mg/kg [Rat].

Section 12. Ecological Information**Ecotoxicity**

Not available.

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: D002

Classification: - (Hazardous waste.)

Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information**Proper shipping name**

Corrosive solid. Basic. Inorganic NOS (Sodium Hydroxide) or Consumer Commodity ORM-D in Limited Quantity

DOT Classification

8

UN number

3262

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

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: Sodium Hydroxide

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

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.