



**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** DRAIN AID  
**Product Use** Sewer and Drain Cleaner - Alkaline Liquid  
**Product Code** 1678  
**Date of issue** 05/22/07 **Supersedes** 12/15/03

**Emergency Telephone Numbers** For MSDS Information:  
Acuity Specialty Products Group, Inc.  
**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**

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**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
POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	40 - 50	ACGIH / OSHA (United States). CEIL: 2 mg/m <sup>3</sup>

### Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact. Inhalation.  
Ingestion.

**Skin** Corrosive to skin on contact. Skin contact may produce burns. The amount of tissue damage depends on length of contact.

**Eyes** Corrosive to eyes on contact. Eye exposure may cause severe and permanent eye injury (blindness).

**Inhalation** Corrosive to the respiratory system. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.

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

HMIS	
Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	X

**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 or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. May cause dermatitis. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated or prolonged exposure to the substance can produce lung damage.

**See Toxicological Information (section 11)**

### 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 immediately.

**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**

<b>Flash Point</b>	Not applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Non combustible.		
<b>Fire Hazard</b>	Reacts violently with water.		
<b>Fire-Fighting Procedures</b>	None.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Absorb with an inert 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**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Do not ingest. Wash thoroughly after handling. Wash contaminated clothing before reusing. Do not reuse product container. Ensure that eyewash stations and safety showers are proximal to the work-station location. When making solutions or diluting, add product slowly to surface of cold water. Do not add to warm or hot water as a violent eruption can result.
<b>Storage</b>	Keep container tightly closed and dry. Store between 40°F - 120°F (4.4°C - 49°C). Keep away from incompatibles. Keep out of the reach of children. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc. Aluminum tanks or containers not acceptable.

**Section 8. Exposure Controls, Personal Protection**

	<b>Personal Protection</b>	<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Splash goggles. Face shield.	
<b>Body</b>	Rubber gloves. Neoprene gloves. Chemical resistant apron.	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Red. (Dark.)
<b>pH</b>	13.0-14.0	<b>Odor</b>	Odorless.
<b>Boiling Point</b>	135°C (275°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.45 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in cold water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	0.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, acids. Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc. May generate heat on contact with water.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	None identified.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Potassium Hydroxide:</b> ORAL (LD50): Acute: 365 mg/kg [Rat.].
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**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	<b>Waste Stream</b>	Code: D002 Classification: - (Hazardous waste.) Origin: - (RCRA waste.)
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Consult your local or regional authorities.

**Section 14. Transport Information**

<b>Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide)	<b>UN number</b>	3266
<b>DOT Classification</b>	DOT Class 8: Corrosive liquid.		

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: Potassium Hydroxide RQ 1000 lbs. (453.6 kg)

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.

**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.*