



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 OVEN BRITE  
**Product Use** Stove and Oven Cleaner  
**Product Code** 1048  
**Date of issue** 11/09/04 **Supersedes** 10/04/00

**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**

Printing date: 11/11/04

**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
POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	5 - 10	ACGIH /OSHA (United States). CEIL: 2 mg/m <sup>3</sup>
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<5	ACGIH TLV (United States). TWA: 20 ppm 8 hour(s). Form: Vapor OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s). Form: Vapor

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Absorbed through skin. Inhalation. Ingestion.  
**Skin** Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns.  
**Eyes** Hazardous in case of eye contact (corrosive). Causes eye burns. Eye exposure may cause severe and permanent eye injury (blindness).  
**Inhalation** Hazardous in case of inhalation (lung irritant). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Medical Conditions Aggravated by Overexposure: Respiratory  
**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

### HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.  
**Chronic Effects** The substance may be toxic to blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. 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. Over-exposure by inhalation or absorption can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

See Toxicological Information (section 11)

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. 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 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. 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>	Not applicable.		
<b>Fire Hazard</b>	Not applicable.		
<b>Fire-Fighting Procedures</b>	Not applicable.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Absorb with an inert 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**

<b>Handling</b>	Do not get in eyes, on skin, or on clothing. Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.
<b>Storage</b>	Keep container tightly closed. Keep away from incompatibles. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F. 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)**

<b>Eyes</b>	Splash goggles.	
<b>Body</b>	Rubber gloves. Neoprene gloves. Recommended: 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. Wear appropriate respirator when ventilation is inadequate.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Viscous liquid.	<b>Color</b>	Amber.
<b>pH</b>	13.0-13.7	<b>Odor</b>	Butyl acetate.
<b>Boiling Point</b>	121.11°C (250°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.08 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Soluble in cold water, hot water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	3.0% 0.27 lb/gal 32.34 g/l

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, acids.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ...) and other organic materials..

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Potassium Hydroxide:</b>
	ORAL (LD50): Acute: 365 mg/kg [Rat].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 470 mg/kg [Rat].
	DERMAL (LD50): Acute: 400 mg/kg [Rat].
	VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat].

**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****Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide)**DOT Classification** DOT Class 8: Corrosive liquid.**UN number** 3266**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: Potassium Hydroxide RQ 1000 lbs. (453.6 kg)

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether

**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.*