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Atlanta, GA 30318
1-877-I-BUY-ZEP (428-9937)
Superior Solutions www.zep.com

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP-O-BRITE
Product use Abrasive Cleaner
Product code 1038
Date of issue 01/27/05 **Supersedes** 11/01/96

Emergency Telephone Numbers **For MSDS Information:**
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For 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
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
FELDSPAR; silicate feldspar	68476-25-5	60 - 70	Not established
CHLORINATED TRISODIUM PHOSPHATE; TSP chlorinated; phosphoric acid; trisodium salt (chlorinated)	56802-99-4	10 - 20	ACGIH TLV (United States). TWA: 10 mg/m ³ 8 hour(s). Form: Dust OSHA PEL Z2 (United States). TWA: 15 ppm 8 hour(s). Form: Total dust TWA: 5 ppm 8 hour(s). Form: Respirable fraction
CRYSTALLINE SILICA-QUARTZ; silicon dioxide; flint; chalcodon;	14808-60-7	<10	OSHA (United States). TWA: 10 mg/m ³

Section 3. Hazards Identification

Acute Effects

Routes of Entry

Inhalation

Skin May cause slight transient irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Eyes Hazardous by the following route of exposure: of eye contact (irritant). Inflammation of the eye is characterized by redness, watering and itching.

Inhalation Hazardous by the following route of exposure: of inhalation (lung irritant). May cause irritation of respiratory tract, coughing, shortness of breath.

Ingestion No data on acute toxicity of the product when ingested.

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.

HMIS

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	A, t

Carcinogenic Effects

Crystalline Silica-Quartz: Classified 1 (Proven for human) by IARC, Part 1 (Known To Be A Human Carcinogen) by NTP

Chronic Effects

Contains crystalline silica, which may cause lung disease and/or cancer. Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage. Repeated or prolonged exposure to the substance can produce damage to skin and eyes.

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. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If irritation persists, 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

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Not applicable.		
Fire hazard	May emit toxic fumes under fire conditions.		
Fire-fighting procedures	Cool closed containers exposed to fire with water.		

**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Use appropriate tools to transfer the spilled solid to a convenient 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

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not use with other products.
Storage	Keep container tightly closed and dry. Keep away from heat and direct sunlight. Keep away from incompatibles. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes	Splash goggles.	
Body	For prolonged or repeated handling, use gloves.	
Respiratory	Use with adequate ventilation. Recommended: Approved/certified disposable particulate dust mask.	

Section 9. Physical and Chemical Properties

Physical State	Powder.	Color	Yellowish.
pH	Not applicable.	Odor	Lemon-like.
Boiling Point	Not applicable.	Vapor Pressure	Not applicable.
Specific Gravity	Not applicable.	Vapor Density	Not applicable.
Solubility	Partially soluble in the following materials: cold water, hot water.	Evaporation Rate	Not applicable.
		VOC (Consumer)	Not applicable.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with acids and ammonia.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon dioxide., Carbon monoxide., Hydrogen chloride (HCl)., Chlorine and Phosgene gas.

Section 11. Toxicological Information

Toxicity to Animals	Not determined.
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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.	Waste Stream	Code: - (Not applicable.) Classification: - (Non-hazardous waste)
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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.

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.

TDG Classification	Not a TDG-controlled material.
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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. All Components of this product are listed or exempt from listing on TSCA inventory.
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State Regulations	WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Crystalline Silica-Quartz
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WHMIS (Canada)	Class D-2B: Material causing other toxic effects (Toxic).
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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.