



Material Safety Data Sheet

Section 1. Product and Company Identification	
Product Name	ZUD® HEAVY DUTY CLEANSER (POWDER)
Product Description	ZUD® Heavy Duty Cleanser (Powder) for scrubbing and cleaning hard surfaces.
Manufacturer	Reckitt Benckiser, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225
Product Identifier	Not available.
Item Number	890573
Formula Number	890573
UPC Number	62338-00710 (6 oz.), 62338-007506 (16 oz.).

MSDS#	Not available
Validation Date	3/30/2006
Print Date	3/30/2006
In case of Emergency:	Telephone: 800-228-4722
Transportation Emergencies:	Chemtrec: 1-800-424-9300 (U.S. & Canada)
	Outside the U.S & Canada (North America), call: 703-527-3887

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SILICA, CRYSTALLINE	14808-60-7	70-80	TWA: 0.1 (mg/m ³) from ACGIH (TLV) Respirable. TWA: 0.3 (mg/m ³) from OSHA (PEL) Respirable.
2) OXALIC ACID	144-62-7	5-10	TWA: 1 STEL: 2 (mg/m ³) from ACGIH (TLV) TWA: 1 (mg/m ³) from OSHA (PEL)
3) PUMICE	1332-09-8	10-20	TWA: 15 (mg/m ³) from ACGIH (TLV) Total. TWA: 10 (mg/m ³) from OSHA (PEL) Total.

Section 3. Hazards Identification	
Emergency Overview	WARNING: HARMFUL IF SWALLOWED. Contains oxalic acid. Irritating to eyes. Do not mix with chlorine type bleach or other household chemicals. KEEP OUT OF REACH OF CHILDREN.

Section 4. First Aid Measures	
Eye Contact	In case of eye contact, immediately rinse eyes with water, remove any contact lenses and continue to rinse eyes with plenty of water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin Contact	In case of skin contact, wash skin thoroughly with soap and water. If irritation persists, consult a physician.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth and give a glass of water to drink. Contact a poison control center or physician immediately.

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Section 5. Fire and Explosion Data

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	Not applicable.
Explosive Limits in Air	Not applicable.
Products of Combustion	Not available.
Fire and Explosion Hazards	None known.
Fire Fighting Media and Instructions	Not a fire hazard. Use extinguishing media suitable for surrounding materials.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	Small spill: Carefully sweep up raising a minimum of dust and discard into a household waste container for disposal. Large spill: Contain and collect product with a minimum of dust and retain for evaluation. Dispose of according to local, state and federal regulations.
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Section 7. Handling and Storage

Handling and Storage	WARNING: Irritating to eyes. Harmful if swallowed. Contains oxalic acid. Do not mix with chlorine type bleach or other household chemicals. Store in original container in an upright position in a cool, dry area inaccessible to children and pets. KEEP OUT OF REACH OF CHILDREN
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	No specific controls are needed.
Eye Protection	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
Skin Protection	Avoid skin contact. Emergency responders should wear impermeable gloves.
Respiratory Protection	Avoid breathing dust. Emergency responders should wear suitable respiratory protection where exposure to airborne dust is possible.
Other Protection	None required
Work/Hygienic Practices	Washing with soap and water after use is recommended as good hygienic practice to prevent possible skin irritation and/or eye irritation from hand contact.

Section 9. Physical and Chemical Properties

Description	Free-flowing powder.	Odor	None
pH	1.5-2.5 (3% aqueous slurry).	Color	White. Off-white.
Boiling/Condensation Point	Not applicable.		
Specific Gravity	0.800 - 0.962 g/cc		
Vapor Pressure	Not determined.		
Vapor Density	Not determined.		

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Viscosity	Not available.
Solubility	<10% at 70 °F.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Do not use or mix with chlorine type bleaches or other household cleaning agents as harmful fumes may result. May be harmful to painted or lacquered surfaces. Requires very gentle rubbing for use on fiberglass, countertops, and plastic surfaces.
Hazardous Decomposition Products	Oxalic acid may generate formic acid and carbon monoxide under fire conditions.
Hazardous Polymerization	None known.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	Irritating to eyes.
Skin Contact	Not a primary skin irritant. May cause skin irritation upon prolonged or repeated contact.
Inhalation	Inhalation toxicity not determined. May cause irritation to mucous membranes.
Ingestion	Harmful if swallowed.
Carcinogenicity	Respirable crystalline silica has been designated by NTP and OSHA as a suspect carcinogen and by IARC as a Group 1 carcinogen. However, the use of this product in accordance with label instructions is not expected to result in adverse health effects.

Section 12. Ecological Information

Ecotoxicity	Not available.
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Section 13. Disposal Considerations

Waste Disposal	Discard small quantities with household trash collection. For large quantities, dispose of in accordance with local, state and federal regulations.
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Section 14. Transport Information

DOT Classification	Not regulated by DOT (United States).	
Proper Shipping Name	Not applicable.	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	Not applicable.	
Special Provisions for Transport	Not applicable.	

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TDG Classification	Not regulated by TDG.
ADR Classification	Not applicable.
IMDG Classification	Not regulated by IMDG.
IATA Classification	Not regulated by IATA.

Section 15. Regulatory Information

Federal and State Regulations	<p>SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:</p> <p>None</p> <p>California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:</p> <p>1) Not to be sold in the State of California..</p>
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Other Classifications	WHMIS (Canada) Not controlled under WHMIS (Canada).
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Section 16. Other Information

HMIS (U.S.A.)	Health Hazard	2	National Fire Protection Association (U.S.A.)		Fire Hazard	
	Fire Hazard	0			Health	Reactivity
	Reactivity	0				Specific hazard
	Personal Protection	A				

NFPA Aerosol Level	Not applicable.
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Validated by Product Safety on 3/30/2006.	Printed 3/30/2006.
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