

# Material Safety Data Sheet

May be used to comply with  
OSHA'S Hazard Communication Standard  
29 CFR 2910.1200. Standard must be  
consulted for specific requirements.

# U.S. DEPARTMENT OF LABOR

Occupational Safety and Health  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As Used on Label and List) #500 & #504 Big D Enzym D		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
<b>Section I</b>			
Manufacturer's Name Big D Industries, Inc.		Emergency Telephone Number (800) 535-5053 (800) 654-4752	
Address (number, Street, City, State, and ZIP Code) 5620 S. W. 29th Street (73179)		Telephone Number for Information (800) 654-4752 (405) 682- 2541	
P. O. Box 82219		Date Prepared 06-01-2002	
Oklahoma City, OK 73148		Signature of Preparer (optional)	
<b>Section II - HMIS Rating</b>			
Health 1		Flammability 0	
		Reactivity 0	
<b>Section III - Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specific Chemical Identity: Common Name(s)) %(optional)		OSHA PEL	ACGIH TLV
			Other Limits
			Remnd.
Viable bacterial cultures		N/A	N/A
<b>Section IV - Physical/Chemical Characteristics</b>			
Boiling Point		Specific Gravity (H <sub>2</sub> O = 1)	
Vapor Pressure (mm Hg.)		Melting Point	
Vapor Density (AIR = 1)		Evaporation Rate (Butyl Acetate=1) (Water=1)	
Solubility in Water: 100%			
Appearance and Odor: White liquid with pleasant fragrance			
<b>Section V - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) None		Flammable Limits N/A	
		LEL	UEL
		N/A	N/A
Extinguishing Media None required			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

N/A = Not Applicable

N/D = Not Determined

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N/E = Not

<b>Section VI - Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid: None
	Stable	X	
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents such as nitric acid.			
Hazardous Decomposition or Byproducts: None			
Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	
<b>Section VII - Health Hazard Data</b>			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic): Acute - May cause eye irritation on direct contact. Chronic - Low order of toxicity; possibility of dermal sensitivity.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: Eye irritation and redness on direct contact.			
Medical Conditions			
Generally Aggravated by Exposure: None known			
Emergency and First Aid Procedures: Eye contact: flush with large amounts of water. May cause corneal damage on prolonged contact. Seek medical attention. Ingestion: Give large amounts of water and induce vomiting. Seek medical attention.			
<b>Section VIII - Precautions for Safe Handling and Use</b>			
Steps to be Taken in Case Material is Released or Spilled: Absorb with inert absorbent material such as sand. Wash unrecoverable material down the drain with water.			
Waste Disposal Method: Incineration or landfill for absorbent material. Dispose of in accordance with local, state, and federal regulations.			
Precautions to be Taken in Handling and Storing: Do not store near heat or open flame			
Other precautions: None			
<b>Section IX - Control Measures</b>			
Respiratory Protection (Specify Type): None required			
Ventilation	Local Exhaust	Adequate	Special N/A
	Mechanical (General)	Adequate	Other N/A
Protective Gloves: Rubber or plastic for prolonged contact.	Eye Protection: Safety goggles for splash protection		
Other Protective Clothing or Equipment: Eye wash/shower facility nearby.			
Work/Hygienic Practices: Good housekeeping practices. Avoid skin/eye contact			
N.A. = Not Applicable      N.D. - Not Determined      Page 2      N/E = Not Established      OSHA 174, Sept. 1985			