



Material Safety Data Sheet

Big D Enzym D

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Big D Enzym D
Product Identifier 500, 504, 507, 509, 510, 512, 514, & 515
MSDS No. 0138
Other Means of Identification Enzym D
Product Family Enzym D
Manufacturer Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Supplier Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Emergency Contact Information Big D Industries, 800 535 5053, 24hr (Infotrac)
Use Bacterial Deodorizer

2. HAZARDS IDENTIFICATION

Potential Health Effects

Route of Exposure Inhalation; skin contact; eye contact; ingestion.
Inhalation Not harmful.
Skin Contact Not irritating.
Eye Contact May cause mild irritation.
Ingestion Not harmful.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Live Bacterial Cultures	No CAS	1-50%	
Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts	119345-04-9	<1.0	
Alcohol Ethoxylate	Proprietary	<1.0	
Fragrance	No CAS	<1.0	

4. FIRST AID MEASURES

First Aid Procedures

Inhalation Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes.
Eye Contact Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.
Ingestion Have victim rinse mouth with water. Call a Poison Centre or doctor if the victim feels unwell.

MSDS Name: Big D Enzym D - Ver. 3
MSDS No.: 0138
Date of Preparation: December 31, 2012

First Aid Comments If exposed or concerned, see a doctor for medical advice.

5. FIRE FIGHTING MEASURES

Flammable Properties Does not burn.

Suitable Extinguishing Media Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical This product presents no unusual hazards in a fire situation.
Not known to generate any hazardous decomposition products in a fire.

Protective Equipment and Precautions for Firefighters No special precautions are necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions No special precautions are necessary.

Environmental Precautions It is good practice to prevent releases into the environment.

Methods for Containment and Clean-up No special clean-up methods are necessary.

7. HANDLING AND STORAGE

Handling No special handling precautions are necessary.

Storage Store in an area that is: cool, dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Not available.

Exposure Guideline Comments Consult local authorities for provincial or state exposure limits.

Engineering Controls The hazard potential of this product is relatively low. General ventilation is usually adequate.

Personal Protective Equipment (PPE)

Eye/Face Protection Do not get in eyes.

Skin Protection Not required, if used as directed.

Respiratory Protection Not normally required if product is used as directed.

General Hygiene Considerations It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Appearance Milky liquid. Colour darkens on exposure to light.

Odour Fragrant (Fragrance)

Odour Threshold Not available

MSDS Name: Big D Enzym D - Ver. 3

MSDS No.: 0138

Date of Preparation: December 31, 2012

Boiling Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	Not available
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	> 200 °F (93 °C)
Lower Flammable/Explosive Limit	Not applicable
Upper Flammable/Explosive Limit	Not applicable
Auto-ignition Temperature	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	None known.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

No information was located for: Skin Irritation / Corrosion, Eye Irritation / Corrosion, Effects of Short-Term (Acute) Exposure, Effects of Long-Term (Chronic) Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

12. ECOLOGICAL INFORMATION

General Comments Environmental information was not located.

13. DISPOSAL CONSIDERATIONS

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

14. TRANSPORT INFORMATION

Shipping Information

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

MSDS Name: Big D Enzym D - Ver. 3
 MSDS No.: 0138
 Date of Preparation: December 31, 2012

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Additional USA Regulatory Lists

California Proposition 65: Due to the manufacturing Process there may be trace amounts of 1,4 Dioxane and Ethylene Oxide.

16. OTHER INFORMATION

NFPA Rating	Health - 0	Flammability - 0	Instability - 0
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
Date of Preparation	December 31, 2012		
Revision Indicators	The following MSDS content was changed on December 31, 2012: (English MSDS); (French MSDS); (Spanish MSDS); Date of Preparation; Ingredient Information; Valid for Batches 293000 and greater		

MSDS Name: Big D Enzym D - Ver. 3
MSDS No.: 0138
Date of Preparation: December 31, 2012

Page 04 of 04