



Material Safety Data Sheet

Big D Bio D

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Bio D
Product Identifier	505
MSDS No.	0164
Other Means of Identification	Bio D
Product Family	Bio 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	Enzymatic Cleaner/Deodorizer

2. HAZARDS IDENTIFICATION

Emergency Overview Cloudy colourless. Fragrant odour. Presents little or no hazard if accidentally released.

Potential Health Effects

Route of Exposure Eye contact; skin contact; inhalation; ingestion.

Inhalation Can irritate the nose and throat.

Eye Contact May cause mild irritation.

Ingestion Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Effects of Long-Term (Chronic) Exposure Not harmful.

Carcinogenicity No information was located.

Teratogenicity / Embryotoxicity No information was located.

Reproductive Toxicity No information was located.

Mutagenicity No information was located.

Potential Environmental Effects

Not hazardous to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Water	7732-18-5	90-95	
Sodium xylenesulfonate	1300-72-7	1-5	
Live Bacterial Cultures	No CAS	1-5	

MSDS Name: Big D Bio D - Ver. 1
MSDS No.: 0164
Date of Preparation: February 05, 2013

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air.
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 15-20 minutes, while holding the eyelid(s) open.
Ingestion	Have victim rinse mouth with water.
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	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
Environmental Precautions	No special precautions are necessary.
Methods for Containment and Clean-up	No special clean-up methods are necessary.

7. HANDLING AND STORAGE

Handling	Avoid generating vapours or mists. Avoid generating dusts.
Storage	Store in an area that is: cool, dry, well-ventilated. Separate from incompatible materials (see Section 10: Stability and Reactivity). See advice on temperature in Conditions to Avoid in Section 10 (Stability and Reactivity) to determine suitable storage temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium xylenesulfonate	Not established					

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

Personal Protective Equipment (PPE)

MSDS Name: Big D Bio D - Ver. 1
MSDS No.: 0164
Date of Preparation: February 05, 2013

Eye/Face Protection Not required but it is good practice to wear safety glasses or chemical safety goggles.
Skin Protection Avoid repeated or prolonged skin contact.
Respiratory Protection Not normally required if product is used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
Appearance Cloudy colourless.
Odour Fragrant
Odour Threshold Not available
Boiling Point Not available
Melting Point Not available
Freezing Point Not available
Relative Density (water = 1) Not available
Solubility in Water Very soluble.
Solubility in Other Liquids Not available
pH 7.8 - 8.2
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 available
Upper Flammable/Explosive Limit Not available
Auto-ignition Temperature Not available

10. STABILITY AND REACTIVITY

Chemical Stability Normally stable.
Conditions to Avoid Sunlight. Prolonged exposure to high temperatures. Freezing. Temperatures below 32.0 °F (0.0 °C) and above 155.0 °F (68.3 °C)
Incompatible Materials Strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide), oxidizing agents (e.g. peroxides).
Hazardous Decomposition Products None known.
Possibility of Hazardous Reactions None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium xylenesulfonate	Not available	7200 mg/kg (rat)	

LC50: No information was located.

LD50 (oral): No information was located.

MSDS Name: Big D Bio D - Ver. 1
MSDS No.: 0164
Date of Preparation: February 05, 2013

LD50 (dermal): No information was located.

Skin Irritation / Corrosion

No information was located.

Eye Irritation / Corrosion

No information was located.

Effects of Short-Term (Acute) Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Effects of Long-Term (Chronic) Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Not specifically evaluated.

Teratogenicity / Embryotoxicity

No information was located.

Reproductive Toxicity

No information was located.

Mutagenicity

No information was located.

Toxicologically Synergistic Materials

No information was located.

12. ECOLOGICAL INFORMATION

General Comments Environmental information was not located.

13. DISPOSAL CONSIDERATIONS

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Shipping Information

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

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification



Class D2B

D2B - Toxic

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.

16. OTHER INFORMATION

NFPA Rating	Health - 1
MSDS Prepared By	Wayne Hegstrom
Phone No.	405 682 2541
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MSDS Name: Big D Bio D - Ver. 1
MSDS No.: 0164
Date of Preparation: February 05, 2013

Page 05 of 05