



Material Safety Data Sheet

Big D Non-Para Block with Enzyme 644, 660, 661, & 670

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Non-Para Block with Enzyme 644, 660, 661, & 670
Product Identifier	644, 660, 661, & 670
MSDS No.	0100
Other Means of Identification	Non-Para Block with Enzyme
Product Family	Restroom Deodorants
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	Urinal Blocks

2. HAZARDS IDENTIFICATION

Emergency Overview Blue waxy. Fragrant (Fragrance) odour. Presents little or no hazard if accidentally released. Will not burn. No unusual hazard in a fire situation.

Potential Health Effects

Route of Exposure	Skin contact; eye contact; ingestion.
Skin Contact	May cause mild irritation.
Eye Contact	May cause mild irritation.
Ingestion	Symptoms may include nausea, vomiting, stomach cramps and diarrhea.
Effects of Long-Term (Chronic) Exposure	None known.
Carcinogenicity	No information was located.
Teratogenicity / Embryotoxicity	No information was located.
Reproductive Toxicity	No information was located.
Mutagenicity	No information was located.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	20-70	
Sodium sulfate	7757-82-6	20-70	
Fatty acids, tallow, sodium salts	8052-48-0	5-20	
Live Bacterial Cultures	No CAS	<5.0	
Fragrance	No CAS	0.1-5	

MSDS Name: Big D Non-Para Block with Enzyme - Ver. 1
MSDS No.: 0100
Date of Preparation: July 09, 2012

Precipitated silica	112926-00-8	0.1-5	
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4. FIRST AID MEASURES

First Aid Procedures

Skin Contact	Flush with lukewarm, gently flowing water 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	Call a Poison Centre or doctor if the victim feels unwell.

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. Very toxic carbon monoxide, carbon dioxide.

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: temperature-controlled, dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Precipitated silica	3 mg/m3		5 mg/m3			

Exposure Guideline Comments ACGIH® = American Conference of Governmental Industrial Hygienists. TWA = Time-Weighted Average. OSHA = US Occupational Safety and Health Administration.

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

Personal Protective Equipment (PPE)

Eye/Face Protection Not required but it is good practice to wear safety glasses or chemical safety goggles.
Skin Protection Not required, if used as directed.

MSDS Name: Big D Non-Para Block with Enzyme - Ver. 1
MSDS No.: 0100
Date of Preparation: July 09, 2012

Respiratory Protection Not normally required if product is used as directed.
General Hygiene Considerations No special precautions are necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Blue waxy.
Particle Size	Not available
Odour	Fragrant (Fragrance)
Odour Threshold	Not available
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Boiling Point	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	> 1 at 20 °C
Bulk Density	Not available
Solubility in Water	Not available
Solubility in Other Liquids	Not available
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Viscosity-Kinematic	Not applicable
Surface Tension	Not applicable
Vapour Pressure	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available
Critical Temperature	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not applicable
Flash Point	Not applicable
Lower Flammable/Explosive Limit	Not applicable
Upper Flammable/Explosive Limit	Not applicable
Auto-ignition Temperature	Not available
Electrical Conductivity	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	None known.
Incompatible Materials	None known.

Hazardous Decomposition Products Very toxic carbon monoxide, carbon dioxide.
Possibility of Hazardous Reactions None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium sulfate		5989 mg/kg (mouse)	
Precipitated silica		> 10000 mg/kg (rat)	> 5000 mg/kg (rabbit)

Skin Irritation / Corrosion

There is limited evidence of mild irritation.

Eye Irritation / Corrosion

There is limited evidence of mild irritation.

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 listed.

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

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

MSDS Name: Big D Non-Para Block with Enzyme - Ver. 1
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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

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.

CEPA - National Pollutant Release Inventory (NPRI)

Part 1A. (Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched)

USA

US OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

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 - 1	Flammability - 0	Instability - 0
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
Date of Preparation	July 09, 2012		

MSDS Name: Big D Non-Para Block with Enzyme - Ver. 1
MSDS No.: 0100
Date of Preparation: July 09, 2012

Page 05 of 05