

# Material Safety Data Sheet

## (MSDS)

Product Number: # 208, 209, & 213 Product Name: Big D Deodorant Concentrate	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.
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### Section I – Product and Company Information

Manufacturer Name: Big D Industries, Inc.	Emergency Telephone Number (800) 535-5053 (800) 654-4752
Address: 5620 S. W. 29th Street, Oklahoma City, OK 73179	Information Telephone Number (800) 654-4752 (405) 682-2541
P. O. Box 82219	Date Prepared: 09/15/2010
Oklahoma City, OK 73148	Signature of Preparer (optional)

**HMIS Ratings**    Health: 1    Flammability: 2    Reactivity: 0    Personal Production: A

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits	%(optional)
Isopropanol	CAS # 67-63-0	400 ppm	400 ppm	N/A	
Octylphenoxy Polyethoxy Ethanol	CAS # 9036-19-5	N/A	N/A	N/A	
Dipropylene Glycol Methyl Ether	CAS # 20324-32-7	100 ppm	150 ppm	N/A	
Fragrance	No CAS #	N/A	N/A	N/A	
1,4-Dioxane ***	123-91-1	N/A	N/A	N/A	Trace

\*\*\* Indicates a product known to the state of California to cause cancer per Proposition 65

### Section III - Physical/Chemical Characteristics

Boiling Point	N/D	Specific Gravity (H <sub>2</sub> O = 1)	0.98
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate	<1

Solubility in Water: 100%

Appearance and Odor: Clear yellow liquid with fragrance.

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): N/D	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media: Carbon dioxide, dry foam, or water spray

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

<b>Section V - 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 VI - Health Hazard Data</b>			
Route(s) of Entry: Inhalation: Yes      Skin: Yes      Ingestion: Yes			
Health Hazards (Acute and Chronic): INHALATION: Dizziness. EYES: Strong irritation and corneal damage on prolonged contact. SKIN: Low order of toxicity; frequent or prolonged contact may irritate skin			
Carcinogenicity: NTP: No      IARC Monographs: No      OSHA Regulated: No			
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE			
Medical Conditions Generally Aggravated by Exposure: None Known			
Emergency and First Aid Procedures: INHALATION: Move to fresh air. SKIN: Wash thoroughly with soap and water. EYES: Flush with large amounts of water for 15 minutes and contact a physician. INGESTION: Do not give anything by mouth if unconscious. Seek medical attention for ingestion.			
<b>Section VII - Precautions for Safe Handling and Use</b>			
Steps to be Taken in Case Material is Released or Spilled: Absorb with inert absorbent material. Wash unrecoverable material down the drain with water.			
Waste Disposal Method: Incineration or landfill for absorbent material. Dispose 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: KEEP OUT OF THE REACH OF CHILDREN. Avoid contamination of foods.			
<b>Section VIII - 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: Avoid skin and eye contact and keep out of the reach of children			

N/A = Not Applicable

N/D = Not Determined

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N/E = Not Established

OSHA 174, Sept. 1985

**U.S. DEPARTMENT OF LABOR**

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