

# 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) #316,#318,618 Big D Water Soluble Deodorant, Lemon		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 01/01/1999		
Oklahoma City, OK 73148		Signature of Preparer (optional)		
<b>Section II - HMIS Rating</b>				
Health 1		Flammability 2		
		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.
Isopropanol CAS #67-63-0		400 ppm	400 ppm	-
Petroleum Distillate CAS #64741-65-7		100 ppm	100 ppm	-
Octylphenoxy Polyethoxy Ethanol CAS #9036-19-5		None	None	
Dipropylene Glycol Methyl Ether CAS #20324-32-7		100 ppm	150 ppm	
Amyl Acetate CAS #123-92-2		100 ppm	100 ppm	
<b>Section IV - Physical/Chemical Characteristics</b>				
Boiling Point		N.D.	Specific Gravity (H <sub>2</sub> O = 1)	0.99
Vapor Pressure (mm Hg.)		N/A	Melting Point	N/A
Vapor Density (AIR = 1)		0.98	Evaporation Rate	<1
Solubility in Water: 100%				
Appearance and Odor: Clear yellow liquid with lemon fragrance.				
<b>Section V - Fire and Explosion Hazard Data</b>				
Flash Point (Method Used) N.D.		Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media		Carbon dioxide, dry foam, water spray		
Special Fire Fighting Procedures		None		
Unusual Fire and Explosion Hazards		None		

N/A = Not Applicable

N/D = Not Determined

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<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 - Oral toxicity LD50 (Rats) - 15.2 g/kg.			
Chronic - 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: None known			
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 attn.			
Ingestion: Do not give anything by mouth to an unconscious person. Seek Medical attn. Inhalation: remove person to fresh air . Seek medical attn.			
<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. 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: 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.			