

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.		
Section I			
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)		

Section II - HMIS Rating			
Health 1	Flammability 2	Reactivity 0	

Section III - Hazardous Ingredients/Identity Information			
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	

Section IV - Physical/Chemical Characteristics			
Boiling Point	N.D.	Specific Gravity (H ₂ 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.	

Section V - Fire and Explosion Hazard Data			
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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Not Established

Section VI - Reactivity Data			
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	

Section VII - Health Hazard Data			
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.			

Section VIII - Precautions for Safe Handling and Use	
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	

Section IX - Control Measures		
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.		