

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) #306, 313, 315, 316, 317, 324, 347, 350, 353, 354, 355, 356, 358, 599, 641, 672, 611, 612, 613, 616, 617, 618, 655, 656, 673 Big D Water Soluble Deodorant	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

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 01/01/2005
Oklahoma City, OK 73148	Signature of Preparer (optional)

Section II - HMIS Rating

Health 1	Flammability 2	Reactivity 0
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Section III - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s)) %(optional)	OSHA PEL	ACGIH TLV	Other Limits Rcmd.
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	

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)	N/A	Evaporation Rate	<1
Amyl Acetate CAS #123-92-2	100 ppm	100 ppm	

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		

Appearance and Odor: Various clear colored liquid with various pleasant fragrances.

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.