



Material Safety Data Sheet

Big D Water Soluble Deodorant

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Water Soluble Deodorant
Product Identifier	316, 318, 350, 347, 353, 358, 611, 612, 613, 617, 618, 641, 655, 656, 672, & 673
MSDS No.	0066
Other Means of Identification	Water Soluble Deodorant
Product Family	Liquid 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	Deodorant

2. HAZARDS IDENTIFICATION

Emergency Overview Clear liquid. Fragrant (Fragrance) odour. Presents little or no hazard if accidentally released.

Potential Health Effects

Route of Exposure Skin contact; eye contact; ingestion; inhalation.

Inhalation Not harmful.

Skin Contact May cause mild irritation.

Eye Contact EYE IRRITANT.

Ingestion TOXIC.

Effects of Long-Term (Chronic) Exposure Not harmful.

Carcinogenicity No information was located.

Teratogenicity / Embryotoxicity No information was located.

Reproductive Toxicity No information was located.

Mutagenicity No information was located.

Potential Environmental Effects

Not hazardous to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Polyethylene glycol octylphenyl ether, liquids	9036-19-5	5.0-20	
Dipropylene glycol (mixed isomers)	25265-71-8	0.1-5.0	
2-Propanol	67-63-0	0.1-5.0	

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Fragrance	No CAS	0.1-5.0	
Dipropylene glycol monomethyl ether	34590-94-8	0.1-5.0	

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air.
Skin Contact	Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap 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. Have victim rinse mouth with water.

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. Not known to generate any hazardous decomposition products in a fire.

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	Contain and soak up spill with absorbent that does not react with spilled product.

7. HANDLING AND STORAGE

Handling	No special handling precautions are necessary.
Storage	No special requirements for storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Propanol	200 ppm	400 ppm	400 ppm			
Polyethylene glycol octylphenyl ether, liquids			10 mg/m3			
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	600 mg/m3			

Exposure Guideline Comments ACGIH® = American Conference of Governmental Industrial Hygienists. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit.

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

Personal Protective Equipment (PPE)

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear liquid.
Particle Size	Not applicable
Odour	Fragrant (Fragrance)
Odour Threshold	Not available
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Boiling Point	> 212 °F (100 °C)
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	Soluble in all proportions.
Solubility in Other Liquids	Not available
pH	Not available
Partition Coefficient, n-Octanol/Water	Not available
Viscosity-Kinematic	Not available
Surface Tension	Not available
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 available
Flash Point	> 200 °F (93 °C) (closed cup)
Lower Flammable/Explosive Limit	Not available
Upper Flammable/Explosive Limit	Not available
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	None known.

Possibility of Hazardous Reactions None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Propanol	19000 ppm (female mouse) (vapour)	4700-5800 mg/kg (rat)	13000 mg/kg (rabbit)
Dipropylene glycol monomethyl ether		5135 mg/kg	9500 mg/kg

Skin Irritation / Corrosion

No information was located.

Eye Irritation / Corrosion

No information was located.

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

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Propanol		A4		

ACGIH®: A4 – Not classifiable as a human carcinogen.

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

This product is a non-hazardous waste.

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



Class D2B

D2B - Toxic (Eye irritant)

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. (Polyethylene glycol octylphenyl ether, liquids)

Part 1A. (2-Propanol)

Part 5. (2-Propanol)

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

New Jersey Right To Know. (Dipropylene glycol monomethyl ether)

Pennsylvania Right To Know. (Dipropylene glycol monomethyl ether)

California Proposition 65: Due to the manufacturing process there may be trace amounts of 1,4-Dioxane, Ethylene Oxide, Acetaldehyde, and Formaldehyde.

New Jersey Right To Know: Ethylene Oxide (CAS 75-21-8) Trace amount due to manufacture of. (Polyethylene glycol octylphenyl ether, liquids)

Pennsylvania Right To Know: Ethylene Oxide (CAS 75-21-8) Trace amount due to manufacture of. (Polyethylene glycol octylphenyl ether, liquids)

Pennsylvania Right To Know: Ethylene Oxide (CAS 75-21-8) Trace amount due to manufacture of. (Polyethylene glycol octylphenyl ether, liquids) (Special Hazard).

16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
Date of Preparation	May 04, 2012		

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