



Safety Data Sheet

Big D Water Soluble Deodorant

SECTION 1. IDENTIFICATION

Product Identifier	Big D Water Soluble Deodorant
Other Means of Identification	316, 318, 350, 347, 353, 358, 611, 612, 613, 614, 617, 618, 641, 655, 656, 672, & 673
Other Identification	Water Soluble Deodorant
Product Family	Liquid Deodorants
Recommended Use	Restroom Odor Counteractant.
Restrictions on Use	None known.
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 Phone No.	Big D Industries, 800 535 5053, 24hr (Infotrac)
SDS No.	0217

SECTION 2. HAZARDS IDENTIFICATION

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Alcohol Ethoxylate	Proprietary	0.1-5.0	
2-Propanol	67-63-0	0.1-5.0	
Fragrance	No CAS	0.1-5.0	
Dipropylene glycol monomethyl ether	34590-94-8	0.1-5.0	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Eye Contact

Immediately rinse 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 you feel unwell or are concerned. Rinse mouth with water.

Most Important Symptoms and Effects, Acute and Delayed

If on skin:

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May cause mild irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Does not burn.

This product presents no unusual hazards in a fire situation.

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

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

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

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

No special handling precautions are necessary.

Conditions for Safe Storage

No special requirements for storage area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Propanol	200 ppm	400 ppm	980 mg/m ³			
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	600 mg/m ³			

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

Appropriate Engineering Controls

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

Individual Protection Measures

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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Fragrant
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 212 °F (100 °C)
Flash Point	> 200 °F (93 °C)
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 1 at 68 °F (20 °C)
Solubility	Soluble in all proportions in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; eye contact; ingestion; inhalation.

Acute Toxicity

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Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Propanol	72.6 mg/L (rat) (vapour)	4396 mg/kg (rat)	12870 mg/kg (rabbit)
Dipropylene glycol monomethyl ether		5135 mg/kg	9500 mg/kg

Skin Corrosion/Irritation

No information was located.
May cause mild irritation.

Serious Eye Damage/Irritation

No information was located.
EYE IRRITANT.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.
Not harmful.

Skin Absorption

No information was located.

Ingestion

No information was located.
TOXIC.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.
Not harmful.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Propanol		A4		

A4 – Not classifiable as a human carcinogen.
No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.
No information was located.

Sexual Function and Fertility

No information was located.
No information was located.

Germ Cell Mutagenicity

No information was located.
No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Toxicity

Acute Aquatic Toxicity

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Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Alcohol Ethoxylate		> 100 mg/L (Daphnia magna (water flea); 48-hour)		
2-Propanol	9640 mg/L (Pimephales promelas (fathead minnow); 96-hour)	13299 mg/L (Daphnia magna (water flea); 48-hour)		> 1000 mg/L (96-hour)

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product is a non-hazardous waste.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

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 SDS 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. (2-Propanol) Part 5. (2-Propanol)

USA

US OSHA HazCom 1994 Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200 (1994)), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

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 and

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Ethylene Oxide.

New Jersey Right To Know: Ethylene Oxide (CAS 75-21-8) Trace amount due to manufacture of. (Alcohol Ethoxylate)

Pennsylvania Right To Know: Ethylene Oxide (CAS 75-21-8) Trace amount due to manufacture of. (Alcohol Ethoxylate)

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 0** **Instability - 0**

SDS Prepared By Wayne Hegstrom

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Revision Indicators The following MSDS content was changed on January 07, 2015:
Section 8 - Exposure Controls/Personal Protection; Exposure Guidelines.
The following SDS content was changed on January 23, 2015:
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.
The following SDS content was changed on January 29, 2015:
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.
The following MSDS content was changed on January 29, 2015:
Section 11 - Toxicological Information; LC50/LD50 values.

Additional Information Please Note: This MSDS pertains to batch labels 292000 and higher of the above referenced product (see section 1). Batches before January 1st, 2013 should use the previously issued MSDS. Contact Big D Industries for the prior MSDS.

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