



# Safety Data Sheet

## Big D Water Soluble Deodorant

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Big D Water Soluble Deodorant
<b>Other Means of Identification</b>	316, 318, 350, 347, 353, 358, 611, 612, 613, 614, 617, 618, 641, 655, 656, 672, & 673
<b>Other Identification</b>	Water Soluble Deodorant
<b>Product Family</b>	Liquid Deodorants
<b>Recommended Use</b>	Restroom Odor Counteractant.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer</b>	Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
<b>Supplier</b>	Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
<b>Emergency Phone No.</b>	Big D Industries, 800 535 5053, 24hr (Infotrac)
<b>SDS No.</b>	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:

Product Identifier: Big D Water Soluble Deodorant

SDS No.: 0217

Date of Preparation:

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/m3			
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	600 mg/m3			

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.

Product Identifier: Big D Water Soluble Deodorant

SDS No.: 0217

Page 02 of 06

Date of Preparation:

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

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

Product Identifier: Big D Water Soluble Deodorant

SDS No.: 0217

Date of Preparation:

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

Product Identifier: Big D Water Soluble Deodorant

SDS No.: 0217

Page 04 of 06

Date of Preparation:

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

Product Identifier: Big D Water Soluble Deodorant

SDS No.: 0217

Page 05 of 06

Date of Preparation:

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

**Phone No.**                        405 682 2541

**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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Product Identifier:                Big D Water Soluble Deodorant

SDS No.:                         0217

Page 06 of 06

Date of Preparation: