



# Material Safety Data Sheet

## Big D Granular Deodorant

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Big D Granular Deodorant  
**Product Identifier** 147, 150, & 151  
**MSDS No.** 0119  
**Other Means of Identification** Granular Deodorant  
**Product Family** Dry 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** Dry Deodorants

### 2. HAZARDS IDENTIFICATION

#### Potential Health Effects

**Route of Exposure** Inhalation; skin contact; eye contact; ingestion.  
**Inhalation** Can cause severe irritation of the nose and throat.  
**Skin Contact** SKIN IRRITANT.  
**Eye Contact** May cause mild irritation.  
**Ingestion** If large amounts are ingested: symptoms may include nausea, vomiting, stomach cramps and diarrhea.  
**Effects of Long-Term (Chronic) Exposure** Can cause permanent damage to the respiratory system.  
**Carcinogenicity** CARCINOGEN. (Silica, cristobalite). (Silica, quartz)  
**Teratogenicity / Embryotoxicity** No information was located.  
**Reproductive Toxicity** No information was located.  
**Mutagenicity** No information was located.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Silica, quartz	14808-60-7	1-10	
Montmorillonite ((Al <sub>1.33</sub> -1.67Mg <sub>0.33</sub> -0.67)(Ca <sub>0</sub> -1Na <sub>0</sub> -1)0.33Si <sub>4</sub> (OH) <sub>2</sub> O <sub>10</sub> .xH <sub>2</sub> O), calcined	70892-59-0	50-90	
Silica, cristobalite	14464-46-1	1-10	
Fragrance	No CAS	1.00-5.00	Citronella

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## 4. FIRST AID MEASURES

### First Aid Procedures

<b>Inhalation</b>	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
<b>Skin Contact</b>	Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. Call a Poison Centre or doctor if the victim feels unwell.
<b>Eye Contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.
<b>Ingestion</b>	NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Immediately call a Poison Centre or doctor.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties** Does not burn.

**Suitable Extinguishing Media** Not combustible. Use extinguishing agent suitable for surrounding fire.

**Media**

**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.

**Protective Equipment and Precautions for Firefighters** No special precautions are necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** No special precautions are necessary.

**Environmental Precautions** Do not allow into any sewer, on the ground or into any waterway.

**Methods for Containment and Clean-up** Avoid generating dust.

## 7. HANDLING AND STORAGE

**Handling** No special handling precautions are necessary.

**Storage** Separate from incompatible materials (see Section 10: Stability and Reactivity).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Montmorillonite ((Al <sub>1.33</sub> -1.67Mg <sub>0.33</sub> -0.67)(Ca <sub>0</sub> -1Na <sub>0</sub> -1)O <sub>33</sub> Si <sub>4</sub> (OH) <sub>2</sub> O <sub>10</sub> .xH <sub>2</sub> O), calcined	0.05 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>			
Silica, cristobalite	0.05 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>			
Silica, quartz	0.05 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>			

**Engineering Controls** Use a local exhaust ventilation and enclosure, if necessary, to control amount in the air.

### 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

<b>Physical State</b>	Solid
<b>Appearance</b>	Tan - grey.
<b>Odour</b>	Fragrant (Fragrance)
<b>Odour Threshold</b>	Not available
<b>Boiling Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Relative Density (water = 1)</b>	Not applicable
<b>Solubility in Water</b>	Insoluble (less than 1 mg/L).
<b>pH</b>	Not available
<b>Partition Coefficient, n-Octanol/Water</b>	Not available
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not applicable
<b>Flash Point</b>	> 200 °F (estimated) (Montmorillonite ((Al <sub>1.33</sub> -1.67Mg <sub>0.33</sub> -0.67)(Ca <sub>0</sub> -1Na <sub>0</sub> -1)0.33Si <sub>4</sub> (OH) <sub>2</sub> O <sub>10</sub> .xH <sub>2</sub> O), calcined)
<b>Lower Flammable/Explosive Limit</b>	Not available
<b>Upper Flammable/Explosive Limit</b>	Not available
<b>Auto-ignition Temperature</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Normally stable.
<b>Conditions to Avoid</b>	Incompatible materials.
<b>Incompatible Materials</b>	Unsaturated hydrocarbons (e.g. turpentine), strong acids (e.g. hydrochloric acid).
<b>Hazardous Decomposition Products</b>	None known.
<b>Possibility of Hazardous Reactions</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

LC50: No information was located.  
LD50 (oral): No information was located.  
LD50 (dermal): No information was located.  
**Skin Irritation / Corrosion**  
No information was located.  
**Eye Irritation / Corrosion**  
No information was located.  
**Effects of Short-Term (Acute) Exposure**

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**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
Montmorillonite ((Al1.33-1.67Mg0.33-0.67)(Ca0-1Na0-1)0.33Si4(OH)2O10.xH2O), calcined			Known carcinogen	
Silica, cristobalite			Known carcinogen	
Silica, quartz			Known 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**

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

**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**

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Class D2A

D2A - Very Toxic

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/NDSL.

**USA**

**US OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

All ingredients are listed on the TSCA Inventory.

**Additional USA Regulatory Lists**

California Proposition 65. (Silica, cristobalite). (Silica, quartz) SARA Title III - Section 311/312. (Silica, cristobalite). (Silica, quartz)

**16. OTHER INFORMATION**

<b>NFPA Rating</b>	<b>Health - 1</b>	<b>Flammability - 0</b>	<b>Instability - 0</b>
<b>MSDS Prepared By</b>	Wayne Hegstrom		
<b>Phone No.</b>	405 682 2541		
<b>Date of Preparation</b>	August 30, 2012		
<b>Revision Indicators</b>	The following MSDS content was changed on August 30, 2012: Ingredient Information.		
<b>Key to Abbreviations</b>	ACGIH® = American Conference of Governmental Industrial Hygienists NFPA = National Fire Prevention Association NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration		

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