



# Material Safety Data Sheet

## Big D Carpet Freshener

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Big D Carpet Freshener
<b>Product Identifier</b>	241
<b>MSDS No.</b>	0081
<b>Other Means of Identification</b>	Carpet Freshener
<b>Product Family</b>	Aerosol Products
<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 Contact Information</b>	Big D Industries, 800 535 5053, 24hr (Infotrac)
<b>Use</b>	Carpet Deodorant

### 2. HAZARDS IDENTIFICATION

#### Potential Health Effects

<b>Route of Exposure</b>	Inhalation; skin contact; eye contact; ingestion.
<b>Inhalation</b>	Can irritate the nose and throat. A severe exposure can cause unconsciousness. TOXIC, can cause death.
<b>Skin Contact</b>	Causes mild irritation.
<b>Eye Contact</b>	EYE IRRITANT.
<b>Ingestion</b>	Can irritate the mouth, throat and stomach.
<b>Effects of Long-Term (Chronic) Exposure</b>	Symptoms may include headaches, fatigue, memory loss, irritability, depression and reduced ability to think or reason. Can cause dry, red, cracked skin (dermatitis) following skin contact. Symptoms may include shortness of breath, rapid breathing, and coughing. The ability to do some physical activities can be reduced.
<b>Carcinogenicity</b>	No information was located.
<b>Teratogenicity / Embryotoxicity</b>	No information was located.
<b>Reproductive Toxicity</b>	No information was located.
<b>Mutagenicity</b>	No information was located.
<b>Target Organs</b>	Nervous system, lungs.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Ethanol	64-17-5	5-20	
n-Butane	106-97-8	0.1-5	
Propane	74-98-6	0.1-5	

MSDS Name: Big D Carpet Freshener - Ver. 1  
MSDS No.: 0081  
Date of Preparation: May 10, 2012

## 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>	Immediately flush with lukewarm, gently flowing water for 15-20 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 15-20 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.
<b>Ingestion</b>	Call a Poison Centre or doctor if the victim feels unwell.

## 5. FIRE FIGHTING MEASURES

<b>Flammable Properties</b>	FLAMMABLE AEROSOL.
<b>Suitable Extinguishing Media</b>	Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.
<b>Unsuitable Extinguishing Media</b>	None known.
<b>Specific Hazards Arising from the Chemical</b>	Closed containers may rupture violently when heated releasing contents. Irritating chemicals; toxic chemicals.
<b>Protective Equipment and Precautions for Firefighters</b>	Toxic gases or vapours.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental Precautions</b>	It is good practice to prevent releases into the environment.
<b>Methods for Containment and Clean-up</b>	Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Only use where there is adequate ventilation.
<b>Storage</b>	Store in an area that is: cool, ventilated, out of direct sunlight and away from heat and ignition sources.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethanol		1000 ppm	1000 ppm			
n-Butane	1000 ppm		800 ppm			
Propane	1000 ppm		1000 ppm			

**Engineering Controls** General ventilation is usually adequate.

### Personal Protective Equipment (PPE)

**Eye/Face Protection** Not required but it is good practice to wear safety glasses or chemical safety goggles.

**Skin Protection** Wear chemical protective clothing e.g. gloves, aprons, boots.

MSDS Name: Big D Carpet Freshener - Ver. 1  
MSDS No.: 0081  
Date of Preparation: May 10, 2012

**Respiratory Protection** Concentrated product: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge. Not normally required if product is used as directed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Colourless liquid.
<b>Odour</b>	Floral
<b>Odour Threshold</b>	Not available
<b>Molecular Formula</b>	Not applicable
<b>Molecular Weight</b>	Not applicable
<b>Boiling Point</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Relative Density (water = 1)</b>	~ 0.9451 at 20 °C
<b>Solubility in Water</b>	Slightly soluble.
<b>pH</b>	Not available
<b>Partition Coefficient, n-Octanol/Water</b>	Not available
<b>Viscosity-Kinematic</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	-156 °F (-104 °C)
<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>	High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Irritating chemicals; toxic chemicals.
<b>Possibility of Hazardous Reactions</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

### LC50/LD50 Values

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50 (oral)</b>	<b>LD50 (dermal)</b>
Ethanol	20000 ppm (rat)	7060 mg/kg (rat)	
n-Butane	658 mg/L (rat) (4-hour)		

MSDS Name: Big D Carpet Freshener - Ver. 1  
MSDS No.: 0081  
Date of Preparation: May 10, 2012

	exposure)		
Propane	658 mg/L (rat) (4-hour exposure)		

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Ethanol	Group 1	A3		

No information was located for: Skin Irritation / Corrosion, Eye Irritation / Corrosion, Effects of Short-Term (Acute) Exposure, Effects of Long-Term (Chronic) Exposure, Respiratory and/or Skin Sensitization, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

## 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

Regulation	UN No.	Shipping Name	Class	Packing Group
US DOT	1950	AEROSOLS	2.1	
Canadian TDG	1950	AEROSOLS	2.1	

### Other Transport Information

**Special Shipping Information** Please note: US DOT Exceptions: LTD QTY

## 15. REGULATORY INFORMATION

### Canada

#### WHMIS Classification



Class B5



Class D2B

B5 - Flammable Aerosol; D2B - 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 or are not required to be listed.

### 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 on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

#### Additional USA Regulatory Lists

MSDS Name: Big D Carpet Freshener - Ver. 1

MSDS No.: 0081

Date of Preparation: May 10, 2012

## 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 1</b>	<b>Flammability - 2</b>
<b>MSDS Prepared By</b>	Wayne Hegstrom	
<b>Phone No.</b>	405 682 2541	
<b>Date of Preparation</b>	May 10, 2012	

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MSDS Name:	Big D Carpet Freshener - Ver. 1
MSDS No.:	0081
Date of Preparation:	May 10, 2012

Page 05 of 05