



Material Safety Data Sheet

Big D Metered Concentrated Room Deodorant

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Metered Concentrated Room Deodorant
Product Identifier	451, 452, 454, 455, 460, 462, 463, 464, 467, 468, 469, 471, 472, 473, 474, 475, 476, 478, 482, 483, & 484
MSDS No.	0187
Other Means of Identification	Metered Aerosol
Product Family	Aerosol
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	Air Freshener

2. HAZARDS IDENTIFICATION

Potential Health Effects

Route of Exposure	Inhalation; skin contact; skin absorption; eye contact; ingestion.
Inhalation	Can cause severe irritation of the nose and throat. TOXIC, can cause death. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.
Skin Contact	May cause mild irritation. Can be absorbed through the skin, but harmful effects are not expected.
Eye Contact	EYE IRRITANT. Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result.
Ingestion	TOXIC. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Acetone	67-64-1	70-80	
Propane	74-98-6	10-20	
n-Butane	106-97-8	10-20	
Fragrance	No CAS	<5.00	

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
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

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minutes, while holding the eyelid(s) open.
Ingestion Have victim rinse mouth with water. Call a Poison Centre or doctor if the victim feels unwell.

5. FIRE FIGHTING MEASURES

Flammable Properties FLAMMABLE AEROSOL.

Suitable Extinguishing Media Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical Closed containers may rupture violently when heated releasing contents.
Very toxic carbon monoxide, carbon dioxide.

Protective Equipment and Precautions for Firefighters Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

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

Methods for Containment and Clean-up Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product.
Large spills or leaks: dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product.

Other Information Report spills to local health, safety and environmental authorities, as required.

7. HANDLING AND STORAGE

Handling Prevent accidental contact with incompatible chemicals.

Storage 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
Propane	1000 ppm		1000 ppm			
Acetone		750 ppm	500			
n-Butane	1000 ppm		800 ppm			

Engineering Controls General ventilation is usually adequate.

Personal Protective Equipment (PPE)

Eye/Face Protection Not required if product is used as directed.

Skin Protection Not required, if used as directed.

Respiratory Protection Not normally required if product is used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Gas

Appearance compressed gas.

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Odour Threshold	Not available
Boiling Point	Not available
Freezing Point	Not applicable
Relative Density (water = 1)	Not applicable
pH	Not applicable
Partition Coefficient, n-Octanol/Water	Not available
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not available
Evaporation Rate	< 1.00 (diethyl ether = 1)
Flash Point	Not available
Lower Flammable/Explosive Limit	1.8%
Upper Flammable/Explosive Limit	12.8%
Auto-ignition Temperature	Not available
Other Physical Property 1	<30% VOC

10. STABILITY AND REACTIVITY

Chemical Stability	Unstable under certain conditions - see Conditions to Avoid.
Conditions to Avoid	Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials	Inorganic acids (e.g. hydrofluoric acid), strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid).
Hazardous Decomposition Products	Very toxic carbon monoxide, carbon dioxide.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Propane	658 mg/L (rat) (4-hour exposure)		
Acetone	44000 mg/m3 (mouse) (4-hour exposure) (vapour)	3000 mg/kg (mouse) (4-hour exposure)	
n-Butane	658 mg/L (rat) (4-hour exposure)		

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

Inhalation

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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
Acetone		A4		

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

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
US DOT	1950	AEROSOLS	2.1	
IATA (Air)	1950	AEROSOLS	2.1	
IMO (Marine)	1950	AEROSOLS	2.1	

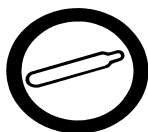
Other Transport Information

Special Shipping Information Please note: This product may be shipped as "limited quantity". Please follow all shipping regulations that apply.

15. REGULATORY INFORMATION

Canada

WHMIS Classification



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Class A Class B5 Class D2B

A - Compressed Gas; 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

California Proposition 65.

Massachusetts Right To Know. New Jersey Right To Know. Pennsylvania Right To Know. CERCLA. 5000

SARA Title III - Section 311/312.

16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 3	Instability - 0
MSDS Prepared By	Wayne Hegstrom		
Phone No.	405 682 2541		
Date of Preparation	September 20, 2013		
Revision Indicators	The following MSDS content was changed on September 20, 2013: (English MSDS); (French MSDS); (Spanish MSDS); Other Means of Identification. The following MSDS content was changed on September 20, 2013: (English MSDS); (French MSDS); (Spanish MSDS); Shipping Information; Special Shipping Information; Date of Preparation.		

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