

# Material Safety Data Sheet

May be used to comply with  
OSHA S Hazard Communication Standard  
29 CFR 2910.1200. Standard must be  
consulted for specific requirements.

# U.S. DEPARTMENT OF LABOR

Occupational Safety and Health  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As Used on Label and List) # 346, 351, 420, 425, 426, 429, 430, 431, 432, 433 Big D Room Deodorant	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.		
<b>Section I</b>			
Manufacturer's Name Big D Industries, Inc.	Emergency Telephone Number (800) 535-5053 (800) 654-4752		
Address (number, Street, City, State, and ZIP Code) 5620 S. W. 29th Street (73179)	Telephone Number for Information (800) 654-4752 (405) 682-2541		
P. O. Box 82219	Date Prepared 06-01-2002		
Oklahoma City, OK 73148	Signature of Preparer (optional)		
<b>Section II - HMIS Rating</b>			
Health 1	Flammability 2	Reactivity 0	
<b>Section III - Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specific Chemical Identity: Common Name(s)) %(optional)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Aerosol Propellant			25
which contains: Propane CAS #74-98-6	1000 ppm	1000 ppm	
Isobutane CAS #75-28-5	800 ppm	800 ppm	
Denatured Ethyl Alcohol CAS #64-17-5	N/D	1000 ppm	10
WARNING: Vapors are flammable in the event can is punctured, but not flammable when sprayed from can. Keep area ventilated during use and until all vapors are gone. Do not smoke during or after application until vapors are gone. Avoid continuous breathing of vapor and spray mist.			
<b>Section IV - Physical/Chemical Characteristics</b>			
Boiling Point	-43 - 175 F	Specific Gravity (H <sub>2</sub> O = 1) 0.7575	0.8
Vapor Pressure (mm Hg.) PSIG 68°F	N/D	Melting Point	N/A
Vapor Density (AIR = 1)	> 1	Evaporation Rate	< 1
Solubility in Water:			
Appearance and Odor: Fine aerosol spray with labelled fragrance.			
<b>Section V - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) -50 F (TCC)	Flammable Limits	LEL 1.8%	UEL 19.0%
Extinguishing Media	Carbon dioxide, dry chemical, water fog		
Special Fire Fighting Procedures	Self contained		
Unusual Fire and Explosion Hazards	None		

N/A = Not Applicable

N/D = Not Determined

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N/E = Not

<b>Section VI - Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid: None
	Stable	X	
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents such as nitric acid.			
Hazardous Decomposition or Byproducts: None			
Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	
<b>Section VII - Health Hazard Data</b>			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic):			
Acute -- Propellant is an asphyxiant and may exhibit anesthetic properties at high concentrations.			
Chronic -- Unconsciousness.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: Skin: Possible frostbite burn Eyes: Burning sensation			
Inhalation: Headache, nausea, disorientation			
Medical Conditions Generally Aggravated by Exposure: Emphysema			
Emergency and First Aid Procedures: Eyes: Flush with lukewarm water. Get medical attention.			
Inhalation: Remove victim from exposure. Administer artificial respiration if not breathing. Get medical attention.			
<b>Section VIII - Precautions for Safe Handling and Use</b>			
Steps to be Taken in Case Material is Released or Spilled: If container is ruptured and begins to leak, place in a well ventilated area and eliminate all ignition sources.			
Waste Disposal Method: Do not discard empty container in incinerator or fire. Dispose of in accordance with local, state, and federal regulations.			
Precautions to be Taken in Handling and Storing: Store in cool area away from heat or open flame. Do not store above 130°F as container may burst, releasing highly flammable propellant.			
Other Precautions: In case of rupture, ventilate to prevent concentrations from reaching flammable levels.			
<b>Section IX - Control Measures</b>			
Respiratory Protection (Specify Type): Self contained breathing apparatus			
Ventilation	Local Exhaust	adequate	Special N/A
	Mechanical (General)	adequate	Other N/A
Protective Gloves: Rubber or plastic for prolonged contact	Eye Protection: Safety goggles for splash protection		
Other Protective Clothing or Equipment: Eye wash/shower facility nearby			
Work/Hygienic Practices: Good housekeeping practices. Avoid skin/eye contact.			