

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
 (New Mandatory Form)
 Form Approved
 OMB No. 1218-0072

J.P.L.

Identity (As Used on Label and List) A202 Big D Fire D One Shot	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.
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Section I	
Manufacturer's Name Big D Industries, Inc	Emergency Telephone Number (800) 535-4653 (800) 654-4752
Address (number, Street, City, State, and ZIP Code) 5628 S. W. 29th Street (73179)	Telephone Number for Information (800) 654-4752 (405) 682-7541
P. O. Box 82219	Date Prepared 01/03/1999
Oklahoma City, OK 73148	Signature of Preparer (optional)

Section II - HMIS Rating					
Hazid	2	Harmful	4	Reactivity	0

Section III - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity - Common Name(s) (Optional))	OSHA PEL	ACGIH TLV	Other Limits
Isobutane CAS #67-63-0	400 ppm	400 ppm	
Amyl Acetate CAS #625-63-7	100 ppm	100 ppm	
Ethyl Acetate CAS #141-78-0	400 ppm	400 ppm	
Hydrocarbon Propellant - Propane CAS #74-98-6	1000 ppm	1000 ppm	
Isobutane CAS #35-28-5	800 ppm	800 ppm	

Section IV - Physical/Chemical Characteristics			
Boiling Point	-61°F Cond -43 propellant	Specific Gravity (H ₂ O = 1)	<1
Vapor Pressure (mm Hg)	70°F 50 PSIG	Viscosity	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate	<1

Solubility in Water: Slight
Appearance and Odor: Produces fine mist with pleasant fragrance. Liquid is transparent.

Section V - Fire and Explosion Hazard Data			
Flash Point (Method Used)	>100°F propellant	Flammable Limits	N/A
		LC50	100
		LD50	16.7
Extinguishing Media	Carbon dioxide, dry foam, water spray		
Special Fire Fighting Procedures	Self contained air supply suggested		
Usual Fire and Explosion Hazards	Keep containers cool (below 100°F) to avoid bursting		

N/A - Not Applicable ND - Not Determined Page 1 NE - Not Established

Section VI - Reactivity Data

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		

Section VII - Health Hazard Data

Route(s) of Entry:	Inhalation?	Yes	No	Swal?	No	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic): Acute - None. Chronic - Sprayed in eyes can cause irritation.									
Carcinogenicity:		NTP?	No	IARC Monograph?	No	OSHA Regulated?			No
Signs and Symptoms of exposure: None known.									
Medical Conditions: None known.									
Generally Aggravated by Exposure: None known.									
Emergency and First Aid Procedures: Skin/Eye contact: Flush with large amounts of water. May cause corneal damage on prolonged contact. Seek medical.									
Inhalation: remove person to fresh air. Seek medical attn.									

Section VIII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Remove sources of flame, spark or heat - replace cap and discard in trash.
Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations. Do not incinerate.
Precautions to be Taken in Handling and Storage:	Do not store near heat or open flame.
Other precautions:	None

Section IX - Control Measures

Respiratory Protection (Specify Type):			None required		
Ventilation	Local Exhaust		adequate	Special	N/A
	Mechanical (General)		adequate	Other	N/A
Protective Gloves:			Not required		
Eye Protection:			Safety goggles		
Other Protective Clothing or Equipment: Eye wash/shower facility nearby					
Work Hygiene Practices: Good housekeeping practices. Avoid skin/eye contact.					

N/A - Not Applicable V.D. - Not Determined Page 2 N/E - Not Established OSHA 174, Sept. 1987