

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) #202 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.		
Section I				
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)		
Section II - HMIS Rating				
Health 2	Flammability 4	Reactivity 0		
Section III - Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity: Common Name(s)) %(optional)		OSHA PEL	ACGIH TLV	Other Limits
				Remnd.
Iso Propanol CAS #67-63-0		400 ppm	400 ppm	-
Amyl Acetate CAS #628-63-7		100 ppm	100 ppm	-
Ethyl Acetate CAS #141-78-6		400 ppm	400 ppm	
Hydrocarbon Propellant - Propane CAS #74-98-6		1000 ppm	1000 ppm	
Isobutane CAS #75-28-5		800 ppm	800 ppm	
Section IV - Physical/Chemical Characteristics				
Boiling Point	165°F Conc. -43 propellant	Specific Gravity (H ₂ O = 1)	0.80	
Vapor Pressure (mm Hg.)	70°F 50 PSIG	Melting Point	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) -50°F propellant	Flammable Limits N/A	LEL 1.8%	UEL 16.7	
Extinguishing Media Carbon dioxide, dry foam, water spray				
Special Fire Fighting Procedures Self contained air supply suggested.				
Unusual Fire and Explosion Hazards Keep containers cool (below 130°F) to avoid bursting.				

N/A - Not Applicable

N/D - Not Determined

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N/E - Not

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	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic):			
Acute - Propellant is an asphyxiant and may exhibit properties at high concentrate. 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: Eye contact: flush with large amounts of water. May cause corneal damage on prolonged contact. Seek medical attn.			
Ingestion: Do not give anything by mouth to an unconscious person. Seek Medical attn. Inhalation: remove person to fresh air . Administer artificial respiration if not breathing. Seek medical attn.			
Section VIII - Precautions for Safe Handling and Use			
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 containers may burst releasing the highly flammable propellant. "Store as Level Aerosol (NFPA 30B)			
Other precautions: In case of rupture, ventilate to prevent concentrations from reaching flammable levels. Note: any copies or redistribution of this M.S.D. Sheet must not be modified in any way.			
Section IX - Control Measures			
Respiratory Protection (Specify Type): Self contained breathing apparatus.			
Ventilation	Local Exhaust:: Doors & windows open	Special	N/A
	Mechanical (General) Fan	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.			