

# 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) #470 Big D Metered Aerosol Insecticide	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 01/01/1999		
Oklahoma City, OK 73148	Signature of Preparer (optional)		

<b>Section II - HMIS Rating</b>			
Health 2	Flammability 1	Reactivity 1	

<b>Section III - Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specific Chemical Identity: Common Name(s) % (optional)	OSHA PEL	ACGIH TLV	Other Limits Rcmnd.
Propane CAS #74-98-6	1000 ppm	N/A	20-50
Butane CAS #106-97-8	800 ppm	800 ppm	20-50
Isobutane CAS #75-28-5	800 ppm	800 ppm	1-5
Aliphatic Petroleum } CAS #8002-05-9 Hydrocarbon	N/E	N/E	1-5
Piperonyl Butoxide CAS #51-3-6*	N/E	N/E	5-20
Petroleum Distillate CAS #64742-48-9	100 ppm	100 ppm	5-20
*Toxic Chemical - Subject to reporting requirements of Section 313 Sara III and 40 CFR 372			

<b>Section IV - Physical/Chemical Characteristics</b>			
Boiling Point	350°F	Specific Gravity (H <sub>2</sub> O = 1)	0.80
Vapor Pressure (mm Hg.)	<1	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate	<1

Solubility in Water:	Negligible
Appearance and Odor:	Bright gold liquid having a mild odor

<b>Section V - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) 57°F TCC	Flammable Limits	LEL 1	UEL 6
Extinguishing Media	Carbon dioxide, dry foam, water spray		
Special Fire Fighting Procedures	Self contained air supply suggested. Keep container cool to avoid bursting. Use shielding to protect personnel against bursting, rupturing, or venting container.		
Unusual Fire and Explosion Hazards	Exposure to temperatures above 130°F may cause bursting.		

N/A = Not Applicable

N/D = Not Determined

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N/E = Not Established

<b>Section VI - Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid: Avoid heating to abnormal temperatures.
	Stable	X	
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents such as nitric acid.			
Hazardous Decomposition or Byproducts: Oxides of Carbon may be formed upon combustion			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	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 & Chronic - May cause skin & eye irritation. May be harmful if swallowed. Prolonged or frequent Repeated skin contact may cause allergic reactions in some individuals.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: Headache, nausea, breathing difficulties, eye irritation			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency and First Aid Procedures: Eye - Flood repeatedly with water for 15 minutes. Skin - Wash with soap & water.			
Ingestion: Do not induce vomiting; drink several glasses of water or milk; seek Medical attn. Inhalation: remove person to fresh air . Seek medical attn.			

<b>Section VIII - Precautions for Safe Handling and Use</b>	
Steps to be Taken in Case Material is Released or Spilled: Remove sources of flame, spark, or heat. If container is ruptured and begins to leak, place in a well ventilated area. Dispose of container in a safe manner. For skin contact, wash with soap and water.	
Waste Disposal Method: Do not discard in incinerator or fire. Dispose of in accordance with local, state and federal regulations.	
Precautions to be Taken in Handling and Storing: Store in a cool area away from heat or open flame. Do not store above 130°F	
Other precautions: Read label and use in accordance with instructions.	

<b>Section IX - Control Measures</b>			
Respiratory Protection (Specify Type): Self contained breathing apparatus.			
Ventilation	Local Exhaust	Hood or Fan	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. Read entire label before using product.			