

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) #471 Big D Air Sanitizer	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 07/26/1999		
Oklahoma City, OK 73148	Signature of Preparer (optional)		

Section II - HMIS Rating			
Health 2	Flammability 3	Reactivity 0	

Section III - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Name(s) % (optional))	OSHA PEL	ACGIH TLV	Other Limits Remnd.
Isopropyl Alcohol CAS #67-63-0	500 ppm	400 ppm	
Isobutane CAS #75-28-5	800 ppm	800 ppm	
Propane CAS #74-98-6	1000 ppm	1000 ppm	
Triethylene Glycol CAS# 112-27-6	N/E	N/E	
Propylene Glycol CAS # 57-55-6	N/E	N/E	
Diethylene Glycol ethyl ether *	N/E	N/E	
*Toxic Chemical - Subject to reporting requirements of Section 313 Sara III and 40 CFR 372			

Section IV - Physical/Chemical Characteristics			
Boiling Point	N/A	Specific Gravity (H ₂ O = 1) Concentrate only 0.90	0.80
Vapor Pressure (PSIG @ 70 deg. F)	Max 70 - 80	Melting Point: N/A	N/A
Vapor Density (AIR = 1)	N/E	Evaporation Rate: N/E	<1

Solubility in Water: Soluble
Appearance and Odor: Clear, colorless spray, fragrance of perfume used in sanitizer

Section V - Fire and Explosion Hazard Data			
Flash Point (Method Used) N/A	Flammable Limits: N/E	LEL 1	UEL 6
Extinguishing Media	Carbon dioxide, dry chemical, 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

Section VI - Reactivity Data			
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	

Section VII - Health Hazard Data			
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.			

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. 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.	

Section IX - Control Measures			
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.			