

Material Safety Data Sheet

(MSDS)

Product Number: # 360 Product Name: Big D Water Soluble Deodorant & Disinfectant	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 – Product and Company Information

Manufacturer Name: Big D Industries, Inc.	Emergency Telephone Number (800) 535-5053 (800) 654-4752
Address: 5620 S. W. 29th Street, Oklahoma City, OK 73179	Telephone Number for Information (800) 654-4752 (405) 682-2541
P. O. Box 82219	Date Prepared: 09/15/2010
Oklahoma City, OK 73148	EPA Registration No. 1839-95-7052

HMIS Ratings Health: 1 Flammability: 2 Reactivity: 0 Personal Production: A

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits	%(optional)
Alkyl DiMethyl Benzyl Ammonium Chloride	CAS # 68391-01-5	N/E	N/A	N/A	2.25
Alkyl DiMethyl Ethyl Benzyl Ammonium Chloride	CAS # 68956-79-6	N/E	N/A	N/A	2.25
1,4-Dioxane ***	123-91-1	N/A	N/A	N/A	Trace
Acetaldehyde***	75-07-0	N/A	N/A	N/A	Trace
Ethylene Oxide ***	75-21-8	N/A	N/A	N/A	Trace

*** Indicates a product known to the state of California to cause cancer per Proposition 65

Section III - Physical/Chemical Characteristics

Boiling Point	208 ⁰ F	Specific Gravity (H ₂ O = 1)	1.025
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	<1	Evaporation Rate	<1
Solubility in Water: 100%	PH: 10.5 – 11.5		
Appearance and Odor: Clear liquid with pleasant fragrance.	Freezing Point: 31 ⁰ F		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 125 ⁰ F Tag Closed Cup	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Carbon dioxide, dry foam, water spray			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None			

Section V - 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 VI - Health Hazard Data			
Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes			
Health Hazards (Acute and Chronic): INHALATION: Dizziness. EYES: Strong irritation and corneal damage on prolonged contact. SKIN: Low order of toxicity; frequent or prolonged contact may irritate skin			
Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No			
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency and First Aid Procedures: INHALATION: Move to fresh air. SKIN: Wash thoroughly with soap and water. EYES: Flush with large amounts of water for 15 minutes and contact a physician. INGESTION: Do not give anything by mouth if unconscious person. Contact a physician for ingestion.			
Section VII - Precautions for Safe Handling and Use			
Steps to be Taken in Case Material is Released or Spilled: Absorb with inert absorbent material. Wash unrecovered material down the drain with water.			
Waste Disposal Method: Incineration or landfill for absorbent material. Dispose in accordance with local, state, and federal regulations.			
Precautions to be Taken in Handling and Storing: Do not store near heat or open flame			
Other precautions: Keep out of reach of children			
Section IX - Control Measures			
Respiratory Protection (Specify Type): None			
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: Wash hands after use.			