

**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) #646 Big D Blu Toilet Bowl Cleaner	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	0	Flammability	0
		Reactivity	0

<b>Section III - Hazardous Ingredients/Identity Information</b>				
Hazardous Components [Specific Chemical Identity: Common Name(s)]	OSHA PEL	ACGIH TLV	Other Limits Recommend	% (optional)
Urea CAS #57-13-6	N/A	N/A		50
Surfactants, Water & Fillers	N/A	N/A		50

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

Solubility in Water: Complete
Appearance and Odor: Blue solid in plastic cup; faint ammonia odor

<b>Section V - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media	Water, Carbon Dioxide, dry chemical		
Special Fire Fighting Procedures	Elevated temperatures may cause release of ammonia; use SCBA or activated charcoal respirator.		
Unusual Fire and Explosion Hazards	None		

N/A = Not Applicable

N/D = Not Determined

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N/E = Not Established

OSHA 174, Sept. 1985

<b>Section VI - Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid: High temperatures may cause release of ammonia vapors
	Stable	X	
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents such as nitric acid.			
Hazardous Decomposition or Byproducts: Carbon and sulfur oxides, ammonia, and unburned hydrocarbons			
Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	

<b>Section VII - Health Hazard Data</b>			
Route(s) of Entry:	Inhalation? No	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic): Acute - none known Chronic - prolonged skin contact may cause irritation			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: None known			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency and First Aid Procedures: Eyes - flush with water; seek medical attention. Skin - wash with soap and water. Ingestion - seek immediate medical attention.			

<b>Section VIII - Precautions for Safe Handling and Use</b>	
Steps to be Taken in Case Material is Released or Spill:	Scoop up material and discard. Wash unrecoverable material down the drain with
Waste Disposal Method:	Dispose of in accordance with local, state and federal regulations.
Other precautions:	Do not store at temperatures above 130°F.

<b>Section IX - Control Measures</b>			
Respiratory Protection (Specify Type): None required			
Ventilation	Local Exhaust	Adequate	Special N/A
	Mechanical (General)	Adequate	Other N/A
Protective Gloves:	None required	Eye Protection: None required	
Other Protective Clothing or Equipment: Eye wash/shower facility nearby			
Work/Hygienic Practices: Good housekeeping practices. Avoid skin/eye contact.			