Material Safety Data Sheet

(MSDS)

Product Number: # 505 Product Name: Big D Bio D				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 – Product and Co	ompany In	formation							
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: 02/01/2010					
Oklahoma City, OK 73148				Signature of Preparer (optional)					
HMIS Ratings Health: 1	Flamm	nability: 2	2	Rea	ctivity:	0	Personal Production	on: A	
Section II - Hazardous Ing	redients/I	dentity Info	rm	ation					
Hazardous Components CA:		# OSHA		A PEL	ACGIH	H TLV	Other Limits	%(optional	1)
Sodium Nitrate	CAS #76	CAS #7631-99-4		I/E	10 pp	m	N/A		
Disodium laureth-3 sulfosuccinate	CAS #39	CAS #39354-45-5		N/E N/E			N/A		
N-(3-(dimethylamino)propyl)	CAS #68155-09-9		1	N/E	N/E		N/A		
Alcohols C12-14 ethoxylated	CAS #68439-50-9		N	I/E	N/E		N/A		
Zinc diricinoleate	CAS #13	CAS #13040-19-2		N/E	N/E		N/A		
Sodium Xylene Sulphonate	CAS #130	CAS #1300-72-7		I/E	N/E		N/A		
Sodium Citrate	CAS #61	CAS #6132-04-		N/E	N/E		N/A		
Section III - Physical/Chem	nical Chai	racteristics							
Boiling Point		212 ⁰ F TCC		Specific Gravity (H ₂ O = 1)			1.0		
Vapor Pressure (mm Hg.)		N/A		Melting Point			N/A		
Vapor Density (AIR = 1)	<1		Evaporation Rate				N/A		
Solubility in Water: 100%				pН			7.5 – 8.5		
Appearance and Odor: Opaque liquid with light fragrance				Freezing Point: N/A					
Section IV - Fire and Expl	osion Haz	ard Data		•					
Flash Point (Method Used): N/A			Fla	Flammable Limits: N/A				LEL N/A	UEL N/A
Extinguishing Media: Carbon dioxid	le, dry chemic	al, or water spra	ıy						
Special Fire Fighting Procedures: No	one								
Unusual Fire and Explosion Hazards:	None								_
N/A = Not Applicable $N/D =$	Not Determin	ned	P	age 1 of 2		N/E =	Not Established		

	Dogotivity Doto							
	Reactivity Data							
Stability	Unstable	'	Conditions to Avoid: None					
	Stable	X						
Incompatibility (1	Materials to Avoid): Caus	tics and Aci	ds. Strong acids and bases may inactivate ba	cterial material.				
Hazardous Decor	mposition or Byproducts:	May include	e but not limited to: oxides of carbon					
Hazardous Polymerization	May Occur	,	Conditions to Avoid: None					
	Will Not Occur	X						
Section VI -	Health Hazard Da	nta						
Route(s) of Entry	r: Inhalation: Y	es es	Skin: Yes	Ingestion: Yes				
			ritation and corneal damage on prolonged co STION: Gastrointestinal distress, vomiting, a					
Carcinogenicity: No IARC Monographs: No OSHA Regulated: No								
Signs and Sympton	oms of Exposure: SEE H	EALTH HA	ZARDS ABOVE					
Medical condition	ns generally aggravated b	y exposure:	None Known					
	water for 15 minutes and		: Move to fresh air. SKIN: Wash thorough ysician. INGESTION: Do not give anythin	-				
Section VII	- Precautions for S	Safe Han	dling and Use					
Steps to be Taker with water	n in Case Material is Rele	ased or Spill	ed: Absorb with inert absorbent material. V	Vash unrecoverable material down the drain				
Waste Disposal N	Method: Incineration or la	andfill for ab	sorbent material. Dispose in accordance with	local, state, and federal regulations				
		toring: Do	not store near heat or open flame					
Precautions to be	Taken in Handling and S		1					
	Taken in Handling and S s: Keep out of reach of ch							
Other precautions		nildren						
Other precautions	s: Keep out of reach of cl	nildren						
Other precautions Section VIII	s: Keep out of reach of cl	nildren	Local Exhaust Adequate	Special N/A				
Other precautions Section VIII Respiratory Protects	s: Keep out of reach of cl	nildren		Special N/A Other N/A				
Other precautions Section VIII Respiratory Protecti Ventilation	s: Keep out of reach of cl	res ne required	Local Exhaust Adequate Mechanical (General) Adequate	Other N/A				
Other precautions Section VIII Respiratory Protective Ventilation Protective Gloves:	s: Keep out of reach of cl	res ne required onged contac	Local Exhaust Adequate Mechanical (General) Adequate Eye Protection: Safety goggles for splast	Other N/A				

N/E = Not Establish OSHA 174, Sept. 1985

U.S. DEPARTMENT OF LABOR

N/A = Not Applicable

Occupational Safety and Health (Non-Mandatory Form) Form Approved OMB No. 1218-0072

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N/D - Not Determined