MATERIAL SAFETY DATA SHEET

		MATERIAL S	SAFETY DATA SHEET	PAGE I
DiPel® DF MSDS# BIO		v. 3		ISSUED 01/26/07
1 Снемто	יווחסם זגי	ст анд сомран	NY IDENTIFICATION	
MATERIAL 1	EPA Code	el DF Biologi Reg.No.: 730 e Number: 802 t Number: 120	250	
SYNONYMS:	DiP		DiPel PRO DF Bactospeine DF Bactospeine WG	Biobit DF
MANUFACTU	870	Technology W	ces Corporation Nay, Suite 100 Llinois 60048	
	Health o ide the U	r Spill: nited States:	: 651-632-6184 877-315-9819	
2. COMPOS	SITION/IN	FORMATION ON	INGREDIENTS	
CONCER	NTRATION: S NUMBER: 8HR TWA: STEL: CEILING: 8HR TWA: STEL: CEILING:	54.00 % 68038-71-1 N/L N/L N/L N/L N/L N/L N/A N/A	aringiensis, subsp. ku	ırstaki
CONCER	ENT NAME: NTRATION: S NUMBER:	46.00 %	Ingredients - identit	y a Trade Secret
OSHA-PEL	8HR TWA: STEL: CEILING:	N/L	tal dust, 5 mg/m3 resp	irable fraction
ACGIH-TLV	8HR TWA: STEL: CEILING:	N/L	pirable fraction	
OTHER LIMITS	8HR TWA: STEL:	N/A N/A		
	CEILING:	N/A		

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3. HAZARDS INFORMA	TION	
EMERGENCY OVERVIEW: inhalation.	Product is non-toxic by ingestion,	skin contact, or
ROUTE(S) OF ENTRY:	Skin: No Inhalation: No Ingestion: No	
SKIN CONTACT:	Non-irritant	
SKIN SENSITIZATION:	Non-sensitizer	
EYE CONTACT:	Non-irritant	
TARGET ORGANS:	N/D	
CARCINOGENICITY RAT None	ING: NTP: N/L IARC: N/L OSHA: N/L AC	GIH: N/L

SIGNS AND SYMPTOMS: Direct contact with eyes may cause mild irritation. Inhalation of dust may result in respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Impaired respiratory function.

- 4. FIRST AID MEASURES
- EYES: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- SKIN: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- INGESTION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- INHALATION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

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5. FIRE FIGHTING PROCEDURES

FLASH POINT: N/A FLASH POINT METHOD: N/D LOWER EXPLOSIVE LIMIT(%): N/D UPPER EXPLOSIVE LIMIT(%): N/D AUTOIGNITION TEMPERATURE: N/D

FIRE & EXPLOSION HAZARDS: Non-flammable and no explosive properties.

- EXTINGUISHING MEDIA: Use appropriate medium for the underlying cause of the fire.
- FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.
- 6. ACCIDENTAL RELEASE MEASURES
- SPILL OR RELEASE PROCEDURES: Recover product and place in an appropriate container for disposal. Avoid breathing dust. Ventilate and wash the spill area.
- 7. HANDLING AND STORAGE

HANDLING: N/D

STORAGE: Store product in closed container in a cool and dry place.

SPECIAL PRECAUTIONS: N/D

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust.

RESPIRATORY PROTECTION: Not usually required. If necessary, use a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

SKIN PROTECTION: Impervious gloves, clothing to minimize skin contact.

EYE PROTECTION: Not usually required. If necessary, use safety glasses or goggles.

OTHER PROTECTION: Wash thoroughly with soap and water after handling.

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CHEMICAL STABILITY: Stable. No oxidizing or reducing properties.

INCOMPATIBILITIES: Alkalinity inactivates product.

HAZARDOUS DECOMPOSITION PRODUCTS: None that are known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

ORAL LD50: > 5,050 mg/kg (rat) EPA Toxicity Category IV

DERMAL LD50: > 2,020 mg/kg (rabbit) EPA Toxicity Category III

INHALATION LC50: Due to the non-dusty characteristics of the product, the test facility was unable to generate a sufficiently high enough concentration of respirable particles. Animal test not warranted.

CORROSIVENESS: N/D. Not expected to have any corrosive properties.

- DERMAL IRRITATION: Transient, slight or mild irritation noted in a dermal irritation study with this product. EPA Toxicity Category IV.
- OCULAR IRRITATION: Transient, mild to moderate irritation was observed in test animals in a study with this product. Rinsing the eyes with water dramatically reduced irritation scores. Classified as a non-irritant.

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- 11. TOXICOLOGICAL INFORMATION, continued
- _____
- DERMAL SENSITIZATION: In a study with this product, no skin sensitization was observed.
- SPECIAL TARGET ORGAN EFFECTS: N/D
- CARCINOGENICITY INFORMATION: N/D. None of the components are classified as carcinogens.
- 12. ECOLOGICAL INFORMATION
- _____
- ECOLOGICAL INFORMATION: N/D
- 13. DISPOSAL CONSIDERATIONS
- _____
- WASTE DISPOSAL METHODS: Dispose of product in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION _____

DOT STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY:	N/A N/A N/A
IATA/ICA0 STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY:	N/A N/A N/A
IMO STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY: FLASH POINT:	N/A N/A N/A N/A

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15. REGULATORY INFORMATI	ON					
TSCA STATUS: Exempt		RCRA STATUS: N/D				
CERCLA STATUS: N/D						
SARA STATUS: N/D	SARA STATUS: N/D					
16. OTHER INFORMATION						
The information given he representative of releva		sarily exhaustive,	but is			
Heal NFPA Rating: 1 HMIS Rating: 1		ty Reactivity O O				
0= Minimal hazard 1= Slight	t hazard 2= Moderate	hazard 3= Severe hazard	4= Extre	eme hazard		
REASON FOR ISSUE: Add APPROVAL DATE: 01/ SUPERSEDES DATE: 05/	/26/07	IS Ratings				
LEGEND: N/A = Not App N/D = Not Det N/L = Not Lis L = Listed C = Ceiling S = Short-t	ermined sted serm					
2		f Valent BioScience f Valent BioScience				

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