

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME: Bloomtime Biological™ FD Biopesticide
PRODUCT QA#:0234

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address

Northwest Agricultural Products
 821 S. Chestnut
 Pasco, Washington 99301

Emergency Telephone Number: 509-547-8234
 Number for Information: 509-547-8234
 Date Prepared: January 01, 2007

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT INFORMATION	
Chemical Name:	Microbial Product
Chemical Family:	
Formula:	Pantoea agglomerans E-325
NFPA/HMIS:	Health -X, Fire-X, Reactivity-X

Hazardous Components	CAS	%	OSHA PEL	ACGIH TLV	TWA
None					

Non-Hazardous Components-	CAS	%	ACGIH TLV	OSHA PEL
Pantoea agglomerans E-325				

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (H ₂ O = 1):	NA
Vapor Pressure (mm Hg.):	NA	Melting Point:	NA
Vapor Density (Air = 1):	NA	Evaporation Rate (Butyl Acetate = 1):	NA
Solubility in Water:	Miscible		
Appearance and Odor:	Light Yellow Powder		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NA	Flammable Limits: NA	LEL	UEL
Extinguishing Media	NA		
Special Fire Fighting Procedures:	NA		
Unusual Fire and Explosion:	NA		
Autoignition Temperature	NA		

SECTION V REACTIVITY DATA

Stability	Unstable	Stable	<input checked="" type="checkbox"/>
Incompatibility (Materials to Avoid)	None known		
Hazardous decomposition or by-products	None known		
Hazardous Polymerization	Will Occur	Will not Occur	<input checked="" type="checkbox"/>
Conditions to Avoid:	Keep out of Reach of Children, Avoid contact with eyes.		

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry
Inhalation: Yes
Skin Contact: Yes
Skin Absorbion: No
Ingestion: Yes
Eye Contact: Yes

Health Hazards (Acute and Chronic)		None known	
Carcinogenicity	NIP 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: Rinse contacted areas with water.			
Note to Physician: This is a non-toxic viable microbial culture of Pantoea agglomerans. Some individuals may be sensitive to the product.			

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

EYES or SKIN	Flush with large volumes of water.
GROUND	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Sweep up with absorbent materials and dispose of in a sanitary land fill.
WASTE DISPOSAL METHOD: Safe to wash into waste systems.	

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type): General use for small particulates.		
Ventilation:	Local Exhaust: None	Special: None
	Mechanical(General): None	Other: None
Protective Gloves:	General chemical use	Eye Protection: Safety Goggles
Other Protective Clothing or Equipment: Protective apron		
Work/Hygienic Practices: Use Good Housekeeping Practices.		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: Some individuals may be sensitive to this product.
OTHER HANDLING AND STORAGE REQUIREMENTS: Do not apply in combination with any other agricultural products. This biological product will be killed if combined with sulfuric acid, phosphoric acid, aqueous ammonia, bactericides, or soil fumigants.

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Pasco, WA 99301

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All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his/her own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained or the safety and toxicity of the product: nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.