

PRODUCT NAME: Bean Builder
PRODUCT QA# 482

SECTION I MANUFACTURER'S INFORMATION

Distributor's Name & Address

Northwest Ag Products
 821 S. Chestnut
 Pasco, WA 99301

Emergency Telephone Number: 509-547-8234
 Number for Information: 509-547-8234
 Date Prepared: July 22, 2004

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT INFORMATION	
Chemical Name:	
Chemical Family:	High N & Zinc Foliar Feed
Formula:	Proprietary
NFPA/HMIS:	Health -X, Fire-X, Reactivity-X

Hazardous Components	CAS	%	OSHA PEL	ACGIH TLV	TWA
Potassium Hydroxide	1310-52-3	6.17			
Phosphoric Acid	7664-38-2	10.66	2C	2	
Zinc Sulfate	7733-02-0	.56			
Ferrous EDTA	7720-78-7	1.4			

Non-Hazardous Components-	CAS	%	ACGIH TLV	OSHA PEL
Proprietary				

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	100C°	Specific Gravity (H ₂ O = 1):	1.369
Vapor Pressure (mm Hg.):	negligible	Melting Point:	NA
Vapor Density (Air = 1):	negligible	Evaporation Rate (Butyl Acetate = 1):	negligible
Solubility in Water:	miscible		
Appearance and Odor:	brown – sweet odor		

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"/>	Conditions to avoid – None Known
Incompatibility (Materials to Avoid)	Strong Alkali Materials			
Hazardous decomposition or by-products	None known			
Hazardous Polymerization	Will Occur	Will not Occur	<input checked="" type="checkbox"/>	
Conditions to Avoid: Keep from strong alkali solutions. Do not freeze. Keep below 105°F. Keep out of Reach of Children. Avoid contact with eyes.				

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry
Inhalation: NO

Skin Contact: YES - May cause skin irritation.
Skin Absorption: NO - None known
Ingestion: YES - May result in nausea, vomiting, diarrhea, blood in vomitus and stools, burning pain in the mouth and throat, abdominal pain, acidosis, shock, liver and kidney damage, and other gastrointestinal and neurologic symptoms and damage.
Eye Contact: YES - May cause skin irritation.

Health Hazards (Acute and Chronic) Solution is very acidic.

Carcinogenicity	NIP No	IARC Monographs No	OSHA Regulated No
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Signs and Symptoms of Exposure :
None known

Medical Conditions Generally aggravated by Exposure:
None known.

Emergency and first aid procedures:
Contact a physician immediately

Note to Physician:
In case of ingestion give large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Do not induce vomiting. Material is acidic – contains Fe-EDTA.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

EYES	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush with large volumes of water.
GROUND	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Neutralize with dilute alkaline solution and wash down sewer if federal, state and local regulations permit.
WASTE DISPOSAL METHOD:	Safe to wash into waste systems. Follow all applicable federal, state, and local regulations.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type):	None required		
Ventilation:	Local Exhaust:	None	Special: None
	Mechanical(General):	None	Other: None
Protective Gloves:	Acid Resistant	Eye Protection:	Safety Goggles
Other Protective Clothing or Equipment:	Coats, coveralls or aprons are recommended		
Work/Hygienic Practices:	Use good housekeeping practices		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: Avoid contact with skin, eyes or clothing. Do not ingest. Avoid inhalation of mists.
OTHER HANDLING AND STORAGE REQUIREMENTS: Keep lid tightly closed. Store in a dry area, above freezing and below 105°F, out of direct sunlight and away from strong alkalies. Keep out of reach of children.

PREPARED BY: Alan Wickls

ADDRESS: Northwest Ag Products
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Pasco, WA 99301

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