

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: Constant BU^{PH}-er™
QA#: 0650

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: 01/12/2007

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT INFORMATION	
CCII Anagram: CAT	
NFPA/HMIS:	Health -0, Fire-1, Reactivity-0

Hazardous Components	CAS	%	OSHA PEL	ACGIH TLV	TWA
Citric Acid	77-92-9	10%	N/A	N/A	N/A

Non-Hazardous Components-	CAS	%	ACGIH TLV	OSHA PEL
Proprietary	N/A	21%	N/A	N/A

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity(H ₂ O=1):1.04	N/A
Vapor Pressure (mm Hg.):	N/A	Melting Point:	100° C
Vapor Density (Air = 1):	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A
pH	2.2 (0.1Nsol)	Solubility in Water: 60 g/100 ml @ 20° C	
Appearance and Odor:	Translucent and Light sour		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NA	Flammable Limits: NA	LEL	UEL
Extinguishing Media	N/A		
Special Fire Fighting Procedures:	N/A		
Unusual Fire and Explosion:	N/A		
Autoignition Temperature	1011° C		

SECTION V REACTIVITY DATA

Stability Good	Unstable	No	Stable	Yes	Conditions to avoid – None
Incompatibility (Materials to Avoid)		Metal will erode copper, zinc, aluminum and their alloys.			
Hazardous decomposition or by-products		Carbon Dioxide and carbon monoxide may form when heated to decomposition.			
Hazardous Polymerization		Will Occur	No	Will not Occur	Yes.
Conditions to Avoid:					
Keep out of Reach of Children, Avoid contact with eyes.					

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry
Inhalation: Causes irritation to the mucous membranes of the gastrointestinal tract, coughing and shortness of breath.
Skin Contact: Causes irritation. Symptoms include redness, itching, and pain.

Skin Absorption: Same as above.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

Eye Contact: Highly irritating.

Health Hazards (Acute and Chronic) .None known.

Carcinogenicity	NIP No	IARC Monographs No	OSHA Regulated No
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SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

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: Ventilate area of leak or spill. Wear appropriate personal protective equipment. Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate further contamination.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type):		NIOSH approved for conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies where the exposure levels are not known, use a full-face positive pressure air supplied respirator.	
Ventilation:	Local Exhaust: Local and/or general exhaust.	Special:	
	Mechanical(General):	Other:	
Protective Gloves:	Recommended	Eye Protection: Safety Goggles	
Other Protective Clothing or Equipment:		Protective apron	
Work/Hygienic Practices: Use Good Housekeeping Practices.			

SECTION IX SPECIAL PRECAUTIONS

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep in a tightly closed container, store in a cool, dry, ventilated area. Wash hands after handling this product. Containers of this material may be hazardous when empty since they retain product residues.

SECTION X TRANSPORTATION

D.O.T REGULATED	YES		NO	X
OTHER SHIPPING DESCRIPTION			None.	

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DATE: 01/12/07

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