

PRODUCT NAME: Yeoman Brand 5% Copper
PRODUCT QA#: 369

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address

Northwest Agricultural Products
 821 S. Chestnut
 Pasco, Washington 99301

Emergency Telephone Number: 509-544-8743
 Number for Information: 509-544-8743
 Date Prepared: February 17, 2004

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT INFORMATION	
Chemical Name:	Chelated Micronutrients
Chemical Family:	Chelated micronutrient fertilizer
Formula:	Proprietary
NFPA/HMIS:	Health -2, Fire-0, Reactivity-0

Hazardous Components	CAS	%	OSHA PEL	ACGIH TLV	TWA
None					

Non-Hazardous Components-	CAS	%	ACGIH TLV	OSHA PEL
CuSO ₄ 5H ₂ O	7758-99-8	19.6		

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	100 C°	Specific Gravity (H ₂ O = 1):	1.16 @ 25°C
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:	Transparent Blue liquid. No 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:	None		
Autoignition Temperature	NA		

SECTION V REACTIVITY DATA

Stability	Unstable	Stable	<input checked="" type="checkbox"/>	Conditions to avoid – None known
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:.	None known			
Keep out of Reach of Children, Avoid contact with eyes.				

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry
Inhalation: NO
Skin Contact: No

Skin Absorption: No
Ingestion: Yes
Eye Contact: Very Irritating

Health Hazards (Acute and Chronic)	Copper toxicity. .
------------------------------------	--------------------

Carcinogenicity	NIP No	IARC Monographs No	OSHA Regulated No
-----------------	-----------	-----------------------	----------------------

Signs and Symptoms of Exposure :	Nausea and vomiting
----------------------------------	---------------------

Medical Conditions Generally aggravated by Exposure:	None known
--	------------

Emergency and first aid procedures:	Contact a physician immediately.
-------------------------------------	----------------------------------

Note to Physician:	Contains copper sulfate and citric acid.
--------------------	--

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: Use absorbent materials to remove as much material as possible.
--------	---

WASTE DISPOSAL METHOD:	Use appropriate methods for materials containing copper products.
------------------------	---

SECTION VIII CONTROL MEASURES

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

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:	Keep out of reach of children. Do not drink. Keep out of eyes.
OTHER HANDLING AND STORAGE REQUIREMENTS:	Do not freeze.

PREPARED BY: Steven K. Whitesides, Ph.D.

ADDRESS: Northwest Agricultural Products
821 S. Chestnut
Pasco, WA 99301

DATE: February 17, 2004

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.