

Material Safety Data Sheet

Department of Labor

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

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved OMB No. 1218-00782.

IDENTITY: BACTRIN

SECTION 1:

Manufacturer: Magna-bon II, LLC	Emergency Phone Number: 800-424-9300 (<i>Chemtrec</i>)
1531 N.W. 25 th Drive	Information Phone Number: 863-357-0400
Okeechobee, Fl. 34972	Date Prepared: 9/2000
	Signature of Preparer (<i>optional</i>):

Section 2: Hazard Ingredients / Identity Information

Hazardous Components: (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other limits Recommended	% (optional)
None	Not Relevant	Not Relevant	Not Relevant	Not Relevant
Active Ingredients:	Copper Sulfate Pentahydrate*.....19.8%			
	Other Ingredients:.....80.2%			
	Total:.....100.0%			
	*Equivalent to 5% metallic copper			
Components not precisely identified are proprietary or non hazardous				

Section 3: Physical / Chemical Characteristics

Boiling Point:	220 °F	Specific Gravity ($H_2O=1$):	1.81
Vapor Pressure (mm Hg.):	0.1mm 68°F	Melting Point:	None
Vapor Density (AIR=1):	1.00	Evaporation Rate (Butyl Acetate=1):	None
Solubility in Water: Very Soluble			
Appearance and odor: Clear blue liquid mild odor.			

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Section 4: Fire and Explosion Hazard Data

Flash Point (Method Used): None	Flammable Limits: None	LEL: Not Available	UEL: Not Available
Extinguishing Media: Non-flammable			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None			

Section 5: Reactivity Data

Stability:	Unstable: No		Conditions to Avoid: Avoid mixing with strong bases and strong reducing agents.
	Stable: Yes		
Incompatibility (Materials to Avoid): Avoid mixing with strong bases and strong reducing agents.			
Hazardous Decomposition or Byproducts: Sulfuric acid fumes may be generated by thermal decomposition.			
Hazardous Polymerization:	May Occur:	No	Conditions to Avoid: None
	Will not Occur:	Yes	

Section 6: Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic): Avoid breathing fumes: Products contains elemental copper. Ingesting may cause acute copper toxicity.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: Allergies may occur. Skin irritation may occur. Avoid prolonged body contact. (Always use protective clothing)			
Medical Conditions Generally Aggravated by Exposure: Sulfur allergies may occur.			
Emergency and First Aid Procedures: Treat as a sulfur base reaction .			

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Section 6: Health Hazard Data (cont'd)

Emergency and First Aid Procedures (cont'd):	
Eyes:	<ul style="list-style-type: none">•Hold eye open and rinse slowly and gently with water for 15-20 minutes.•Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.•Call a poison control center or doctor for treatment advice.
Swallowed:	<ul style="list-style-type: none">•Call a poison control center or doctor immediately for treatment advice.•Have a person sip a glass of water if able to swallow.•Do not induce vomiting unless told to by a poison control center or doctor.•Do not give anything to an unconscious person.
Inhaled:	<ul style="list-style-type: none">•Move person to fresh air.•If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.•Call a poison control center or doctor for further treatment advice.
Skin:	<ul style="list-style-type: none">•Take off contaminated clothing.•Rinse skin immediately with plenty of water for 15-20 minutes.•Call a poison control center or doctor for treatment advice.

Section 7: Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Steps to be Taken in Case Material is Released or Spilled: Flush with water into a retaining tank. Contain and neutralize with bicarbonate of soda or fertilizer grade limestone.
Waste Disposal Method:	Neutralize with bicarbonate of soda or fertilizes grade limestone and dispose of in accordance with all Federal, State and Local Regulations.
Precautions to be Taken in Handling and Storage:	Avoid storage in excessive heat, expansion of container may occur creating spillage.
Other Precautions:	DO NOT STORE in nylon or galvanized equipment. Concentrate will destroy nylon and cotton cloth.

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Section 8: Control Measures

Respiratory Protection (<i>Specify Type</i>):	Adequate local ventilation	
Ventilation: Yes	Local Exhaust: Yes	Special: None
	Mechanical (<i>General</i>): None	Other: None
Protective Gloves: Yes	Eye Protection: Yes	
Work / Hygienic Practices:	Body shower after prolong skin contact.	
Other Protective Clothing or Equipment:	<ul style="list-style-type: none">●goggles●gloves made of any waterproof material●long-sleeved shirt●long pants●shoes plus socks	

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Prepared By: Magna-Bon II, LLC

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