

# 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: MAGNA-BON CS 2005 D

### SECTION 1:

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

### Section 2: Hazard Ingredients / Identity Information

<b>Hazardous Components: (Specific Chemical Identity; Common Name(s))</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other limits Recommended</b>	<b>% (optional)</b>
None	Not Relevant	Not Relevant	Not Relevant	Not Relevant
<b>Active Ingredients:</b>	Copper Sulfate Pentahydrate* CAS 7758-99-8).....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

<b>Boiling Point:</b> 220 °F	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.81
<b>Vapor Pressure (mm Hg.):</b> 0.1mm 68°F	<b>Melting Point:</b> None
<b>Vapor Density (AIR=1):</b> 1.00	<b>Evaporation Rate (Butyl Acetate=1):</b> None
<b>Solubility in Water:</b> Very Soluble	
<b>Appearance and odor:</b> Clear blue liquid mild odor.	

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## Section 4: Fire and Explosion Hazard Data

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

## Section 5: Reactivity Data

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

## Section 6: Health Hazard Data

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

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## Section 6: Health Hazard Data (cont'd)

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

## Section 7: Precautions for Safe Handling and Use

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

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## Section 8: Control Measures

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

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Prepared By: Magna-Bon II, LLC.

Date Prepared: June 1, 2006