

# 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

### 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

| Hazardous Components:<br>(Specific Chemical Identity; Common Name(s)) | OSHA<br>PEL  | ACGIH<br>TLV    | Other limits<br>Recommended | %<br>( <i>optional</i> ) |
|---|--|-----------------|-----------------------------|--------------------------|
| None  | Not<br>Relevant  | Not<br>Relevant | Not Relevant                | Not<br>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 (<math>H_2O=1</math>):</b> 1.81    |
| <b>Vapor Pressure (<i>mm Hg.</i>):</b> 0.1mm 68°F        | <b>Melting Point:</b> None                             |
| <b>Vapor Density (AIR=1):</b> 1.00                       | <b>Evaporation Rate (<i>Butyl Acetate=1</i>):</b> None |
| <b>Solubility in Water:</b> Very Soluble                 |  |
| <b>Appearance and odor:</b> Clear blue liquid mild odor. |  |

# 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.

## 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 .  |                        |                         |                        |

# 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.

## 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.   |

# 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.

## 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> |                      |

**Disclaimer:** The information set forth herein is furnished free of charge and is based on data that The New Magna-Bon Corp., Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use outside of our control, we make no warranties, express or implied, and assume no liability in connection with any use of the information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

Prepared By: Magna-Bon II, LLC.

Date Prepared: November 2, 2005