

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements		U.S. Department of Labor Occupational Safety and Health Administration (Non Mandatory Form) Form Approved OMB No. 1218-0072			
IDENTITY (as used on label or list): PHYTON-27		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
Section I					
Manufacturers Name: Phytion Corporation		Emergency Telephone Number: (ChemTrec) 800-424-9300			
Address: 5608 International Parkway New Hope, MN 55428		Telephone Number for Information: 763-432-4008 Date Prepared: June 10, 1994; Amended: April 19, 2010 Signature of Preparer (optional):			
Section II-Hazardous Ingredients/Identity Information					
Hazardous Components (specific chemical identity; common name(s).) CAS#: Name OSHA PEL TWA Other Limits Recommended % (optional)					
00007758-98-7	Copper (II) Sulfate	N/E	N/E	None	21.36
00001401-55-4	Tannic Acid	N/E	N/E	None	1.08
00000088-89-1	Picric Acid	.1 mg/m (skin)	.1 mg/m (skin)	None	1.25
Section III-Physical/Chemical Characteristics					
Boiling Point	96-103 C	Specific Gravity (water = 1)	1.200		
Vapor Pressure (mm Hg)	N/D	Melting Point	N/A		
Vapor Density (Air = 1)	N/D	Evaporation Rate (butyl acetate =1)	N/D		
Solubility in Water:	SOLUBLE				
Appearance and Odor:	Thick green/brown liquid with pleasant odor				
Section VI-Fire and Explosion Data					
Flash Point (Degrees F): > 141	Method Used: Closed Cup	Flammable Limits: N/A	LEL N/A	UEL N/A	
Extinguishing Media: Product is rated as non flammable but may burn when exposed to high temperatures. Firefighters and emergency responders should wear SCBA and use CO2 fire extinguishers.					
Special Fire Fighting Procedures: Use CO2 fire extinguishers and SCBA. NOx compounds may form under high temperatures.					
Unusual Fire and Explosion Hazards: Picrates may be explosive when subjected to extreme temperature.					
Section V-Reactivity Data					
Stability:	Unstable Stable	X	Conditions to Avoid: None known		
Incompatibility (Materials to Avoid):	None known				
Hazardous Decomposition or Byproducts:	NOx Compounds may be generated				
Hazardous Polymerization:	May Occur Will Not Occur	X	Conditions to Avoid: None known		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation: Not Likely	Skin: Yes	Ingestion: Yes
Health Hazards (Acute and Chronic):	Corrosive: causes irreversible skin/eye damage Causes irritation to open wounds and mucous membranes pH = 4.7		
Carcinogenicity:	NTP NOT LISTED	IARC Monograph NOT LISTED	OSHA Regulated NOT LISTED
Signs and Symptoms of Exposure:	Eye and mucous membrane irritation. May be harmful if swallowed. Skin burns or sensitization may occur in some individuals. If ingested DO NOT induce vomiting.		
Medical Conditions Aggravated by Exposure:	None known		
Emergency and First Aid Procedures:	<p>If in Eyes: 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 eye. Call a poison control center or doctor for treatment advice.</p> <p>If on Skin or Clothing: 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.</p> <p>If Swallowed: Call a poison control center or doctor immediately for treatment advice. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are unavailable, 1 or 2 glasses of water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.</p> <p>Note to Physician: Skin symptoms may be similar to copper allergic reactions and can be treated similarly, including the use of steroid-containing lotion. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage.</p>		

Section VII-Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Contact your state pesticide, environmental control agency, or the hazardous waste representative at your nearest EPA office for guidance. Plastic containers may be offered for recycling after triple rinsing.
Waste Disposal Methods:	FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS. THIS PRODUCT IS REGISTERED WITH THE EPA (REGISTRATION NO. 49538-2). THIS PRODUCT CONTAINS NO SECTION 313 (SARA) CHEMICALS. ALL OF THE INGREDIENTS LISTED AS HAZARDOUS ARE LISTED UNDER TSCA. SOME INGREDIENTS (COPPER (II) SULFATE AND PICRIC ACID) ARE LISTED UNDER THE COMMUNITY ACTION RIGHT TO KNOW STANDARD.
Transportation Data:	Motor freight classification: AG INSECTICIDE, NOI ITEM #102 120 Non Hazardous. Harmonized Commodity Description & Coding System, HS:AG INSECT. 3808.10.0000-6 US EPA REGISTRATION NUMBER 49538-2 Non Corrosive under DOT standards IAW 49 CFR 172 & 173 Non flammable - Non combustible
Precautions to be Taken in Handling or Storing:	Do not ship or store below 45 degrees F or 8 degrees C.
Other Precautions:	This Product is not expected to decompose, combust, or negatively react under normal circumstances.

Section VIII-Control Measures

Respiratory Protection (Specify Type):	NONE SHOULD BE REQUIRED		
Ventilation:	Local Exhaust:	SHOULD NOT BE REQUIRED	Special NONE
	Mechanical (General):	RECOMMENDED	Other NONE
Protective Gloves:	RECOMMENDED	Eye Protection:	GOGGLES
Other Protective Clothing or Equipment:	EYE WASH STATION OR EYE WASH APPARATUS		
Work/Hygienic Practices:	Use appropriate protective equipment		