

Issuing Date 1/9/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	COPPER HR TABLETS
Product Code(s)	3701
Synonyms	none / ninguno / aucun
Recommended Use	Test kit reagent. Industrial (not for food or food contact use). Laboratory chemicals.
Company	LaMotte Company, Inc. 802 Washington Avenue P.O. Box 329 Chestertown, MD 21620 USA
Emergency Telephone Number	24 Hour Emergency Number (CHEM-TEL): USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION

Emergency Overview Harmful if swallowed May cause skin, eye, and respiratory tract irritation		
Appearance Purple	Physical State Solid, Tablet	Odor Odorless

OSHA Regulatory Status	Safety information is given for exposure to the reagent as sold and considers exposure to the chemical if user has direct eye and skin contact.
Potential Health Effects	
Principle Routes of Exposure	Ingestion, Skin contact.
Acute Toxicity	
Eyes	May cause irritation.
Skin	May cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Harmful if swallowed.
Chronic Effects	
Aggravated Medical Conditions	None known.
Interactions with Other Chemicals	None known.
Environmental Hazard	No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Zincon monosodium salt	62625-22-3	<1
Resin	-	1-10
Excipient	-	10-20
Chloride salt	-	20-30
Boric acid	10043-35-3	25-35
Carbonate salt	-	30-40

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5014p, and may be disclosed only in a medical emergency.

4. FIRST AID MEASURES

General Advice	Do not get in eyes, on skin, or on clothing.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Consult a physician. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.
Protection of First-aiders	Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable			
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.			
Explosion Data				
NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards N/A
HMIS	Health Hazard 1	Flammability 0	Stability 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Prevent dust cloud.
Methods for Cleaning Up	Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this product.
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Storage

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zincon monosodium salt 62625-22-3	None Known	None Known	None Known
Resin	None Known	None Known	None Known
Excipient	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Boric acid 10043-35-3	= 6 mg/m ³ STEL TWA: 2 mg/m ³	None Known	None Known
Carbonate salt	None Known	None Known	None Known

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields. Avoid contact with eyes.

Skin and Body Protection

Wear latex or nitrile gloves.

Respiratory Protection

None required under normal usage.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Purple	Odor	Odorless
Physical State	Solid, Tablet	pH	6 (1 tablet in 10mL of water)
Flash Point	Not applicable	Autoignition Temperature	6.0
Boiling Point/Range	Not applicable	Freezing Point	Not applicable
Explosion Limits	Not applicable		No information available
No data available		Molecular Weight	No data available
Water Solubility	Soluble in water	Solubility	Soluble

10. STABILITY AND REACTIVITY

Stability

Stable.

Incompatible Products

None known based on information supplied.

Conditions to Avoid

Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight. Keep away from children.

Hazardous Reactions

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**LD50 Oral VALUE (mg/kg)**

Oral Rat LD50: 195mg/kg for N,N-Diethyl-p-phenylenediamine sulfate

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zincon monosodium salt	None Known	None Known	None Known
Resin	None Known	None Known	None Known
Excipient	10 g/kg (Rat)	None Known	None Known
Chloride salt	2600 mg/kg (Rat)	None Known	None Known
Boric acid	2660 mg/kg (Rat)	2000 mg/kg (Rabbit)	None Known
Carbonate salt	1440 mg/kg (Rat)	1.87 mg/kg (Rat)	None Known

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Zincon monosodium salt	None Known	None Known	None Known	None Known
Resin	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known
Boric acid	None Known	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Zincon monosodium salt	None Known	None Known	None Known
Resin	None Known	None Known	None Known
Excipient	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Boric acid	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Zincon monosodium salt	None Known	None Known	None Known	None Known
Resin	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known
Chloride salt	EC50 = 2500 mg/L 72 h	LC50= 2010 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 825 mg/L 48 h
Boric acid	None Known	None Known	None Known	EC50 658 - 875 mg/L 48 h EC50 = 115.0 mg/L 48 h
Carbonate salt	None Known	None Known	None Known	None Known
Chemical Name	Log Pow			
Zincon monosodium salt	None Known			
Resin	None Known			
Excipient	None Known			
Chloride salt	None Known			
Boric acid	= -0.757 25 °C			
Carbonate salt	None Known			

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. Can be incinerated, when in compliance with local regulations. Should not be released into the environment.

Contaminated Packaging

Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes

Zincon monosodium salt - 62625-22-3	None Known	None Known	None Known	None Known
Resin -	None Known	None Known	None Known	None Known
Excipient -	None Known	None Known	None Known	None Known
Chloride salt -	None Known	None Known	None Known	None Known
Boric acid - 10043-35-3	None Known	None Known	None Known	None Known
Carbonate salt -	None Known	None Known	None Known	None Known

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Zincon monosodium salt 62625-22-3 (<1)	Present	X	X	ENCS	IECSC	KECL	X	X
Resin (1-10)	XU	X	EINECS/ELINCS	6-902	X	KE-25266	X	X
Excipient (10-20)	Present	X	X	ENCS	X	KE-17416	X	X
Chloride salt (20-30)	Present	X	X	1-228	X	KE-29086	X	X
Boric acid 10043-35-3 (25-35)	Present	X	X	1-63	X	KE-03499	X	X
Carbonate salt (30-40)	Present	X	X	1-153	X	KE-29083	X	X

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Zincon monosodium salt	62625-22-3	<1	None Known
Resin		1-10	None Known
Excipient		10-20	None Known
Chloride salt		20-30	None Known
Boric acid	10043-35-3	25-35	None Known
Carbonate salt		30-40	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zincon monosodium salt 62625-22-3 (<1)	None Known	None Known	None Known	None Known
Resin (1-10)	None Known	None Known	None Known	None Known
Excipient (10-20)	None Known	None Known	None Known	None Known
Chloride salt (20-30)	None Known	None Known	None Known	None Known
Boric acid 10043-35-3 (25-35)	None Known	None Known	None Known	None Known
Carbonate salt (30-40)	None Known	None Known	None Known	None Known

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Zincon monosodium salt	62625-22-3	<1	None Known	None Known	None Known	None Known
Resin		1-10	None Known	None Known	None Known	None Known
Excipient		10-20	None Known	None Known	None Known	None Known
Chloride salt		20-30	None Known	None Known	None Known	None Known
Boric acid	10043-35-3	25-35	None Known	None Known	None Known	None Known
Carbonate salt		30-40	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Zincon monosodium salt	None Known	None Known
Resin	None Known	None Known
Excipient	None Known	None Known
Chloride salt	None Known	None Known
Boric acid	None Known	None Known
Carbonate salt	None Known	None Known

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Zincon monosodium salt	62625-22-3	None Known
Resin		None Known
Excipient		None Known
Chloride salt		None Known
Boric acid	10043-35-3	None Known
Carbonate salt		None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Zincon monosodium salt	None Known	None Known	None Known	None Known	None Known
Resin	None Known	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known	None Known
Boric acid	None Known	X	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known	None Known	None Known

International Regulations

Mexico - Grade

Chemical Name	Carcinogen Status	Exposure Limits
Zincon monosodium salt	None Known	None Known
Resin	None Known	None Known
Excipient	None Known	None Known
Chloride salt	None Known	None Known
Boric acid	None Known	None Known
Carbonate salt	None Known	None Known

Canada

Component	WHMIS Hazard Class
Zincon monosodium salt 62625-22-3 (<1)	Not determined
Resin (1-10)	Not determined
Excipient (10-20)	Uncontrolled product according to WHMIS classification criteria
Chloride salt (20-30)	Uncontrolled product according to WHMIS classification criteria
Boric acid 10043-35-3 (25-35)	1 % D2A
Carbonate salt (30-40)	1 % D2B E



16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Fire Hazard</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department
 Issuing Date 1/9/2012
 Revision Date -
 Revision Note Update to Format.
 Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS