



Issuing Date 12/13/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Wide Range pH Tablets  
**Product Code(s)** 6459  
**Synonyms** none  
**Recommended Use** Test kit reagent. Industrial (not for food or food contact use).  
**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**  
The product contains no substances which in their current physical state are considered to be hazardous to health  
Keep out of the reach of children  
**Appearance** brown-gray **Physical State** Tablet **Odor** None

**OSHA Regulatory Status** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Potential Health Effects**  
**Acute Toxicity**  
**Chronic Effects** Product does not present a chronic toxicity hazard based on known or supplied information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula** proprietary

Chemical Name	CAS-No	Weight %
Methyl red	493-52-7	<0.1
Bromothymol blue	76-59-5	<0.1
Cresol red	1733-12-6	<0.1
Phenolphthalein, disodium salt	518-51-4	<0.5
Excipients	0-0-0000	>99

Ingredients not listed by name are proprietary to LaMotte Company, registered under the State of New Jersey Trade Secret Protection Law, assigned the NJ Trade Secret Registry # 80100291-5024p, and may be disclosed only in a medical emergency.

4. FIRST AID MEASURES

<b>General Advice</b>	No hazards which require special first aid measures. Do not get in eyes, on skin, or on clothing. Keep out of reach of children.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water removing all contaminated clothes and shoes. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Move to fresh air. Not an expected route of exposure.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Drink plenty of water. Consult a physician.
<b>Protection of First-aiders</b>	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

<b>Flammable Properties</b>	Not a fire hazard.			
<b>Flash Point</b>	Not applicable			
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam.			
<b>Explosion Data</b>				
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> -

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing.
<b>Methods for Cleaning Up</b>	Sweep up and shovel into suitable containers for disposal. If local regulations permit, dissolve and rinse to drain with excess water. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Do not eat, drink or smoke when using this product.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Protect from moisture. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl red 493-52-7	None Known	None Known	None Known
Bromothymol blue 76-59-5	None Known	None Known	None Known
Cresol red 1733-12-6	None Known	None Known	None Known
Phenolphthalein, disodium salt 518-51-4	None Known	None Known	None Known
Excipients 0-0-0000	None Known	None Known	None Known

**Personal Protective Equipment****Eye/Face Protection** Safety glasses with side-shields.**Skin and Body Protection** Protective gloves.**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	brown-gray	<b>Odor</b>	None
<b>Physical State</b>	Tablet	<b>pH</b>	6 (1 tablet in 10mL of water)
<b>Flash Point</b>	Not applicable	<b>Boiling Point/Range</b>	No information available

<b>Vapor Pressure</b>	No information available	<b>Vapor Density</b>	No information available
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**10. STABILITY AND REACTIVITY**

**Stability** Stable.

**Incompatible Products** None known based on information supplied.

**Conditions to Avoid** Excessive heat. Moisture.

**Hazardous Decomposition Products** None under normal use.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methyl red	None Known	None Known	None Known
Bromothymol blue	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known	None Known
Excipients	None Known	None Known	None Known

**Chronic Toxicity****Chronic Toxicity** Product does not present a chronic toxicity hazard based on known or supplied information.**Carcinogenicity** Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl red	None Known	None Known	None Known	None Known
Bromothymol blue	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known	None Known	None Known
Excipients	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Methyl red	None Known	None Known	None Known
Bromothymol blue	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known

Phenolphthalein, disodium salt	None Known	None Known	None Known
Excipients	None Known	None Known	None Known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Methyl red	None Known	None Known	None Known	None Known
Bromothymol blue	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known	None Known	None Known
Excipients	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
Methyl red	None Known
Bromothymol blue	None Known
Cresol red	None Known
Phenolphthalein, disodium salt	None Known
Excipients	None Known

## 13. DISPOSAL CONSIDERATIONS

Chemical Name
Methyl red - 493-52-7
Bromothymol blue - 76-59-5
Cresol red - 1733-12-6
Phenolphthalein, disodium salt - 518-51-4
Excipients - 0-0-0000

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Methyl red - 493-52-7	None Known	None Known	None Known	None Known
Bromothymol blue - 76-59-5	None Known	None Known	None Known	None Known
Cresol red - 1733-12-6	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt - 518-51-4	None Known	None Known	None Known	None Known
Excipients - 0-0-0000	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
Methyl red 493-52-7 (<0.1)	Present	X	X	5-243	X	KE-06693	X	X

Bromothymol blue 76-59-5 (<0.1)	Present	X	X	ENCS	X	KE-02744	X	X
Cresol red 1733-12-6 (<0.1)	Present	X	X	ENCS	X	KECL	X	X
Phenolphthalein, disodium salt 518-51-4 (<0.5)	Present	X	X	ENCS	IECSC	KECL	PICCS	AICS
Excipients 0-0-0000 (>99)	TSCA	DSL	EINECS/ELIN CS	ENCS	IECSC	KECL	PICCS	AICS

## 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 %
Methyl red	493-52-7	<0.1	None Known
Bromothymol blue	76-59-5	<0.1	None Known
Cresol red	1733-12-6	<0.1	None Known
Phenolphthalein, disodium salt	518-51-4	<0.5	None Known
Excipients	0-0-0000	>99	None Known

### SARA 311/312 Hazard Categories

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

### Clean Water Act

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methyl red 493-52-7 (<0.1)	None Known	None Known	None Known	None Known
Bromothymol blue 76-59-5 (<0.1)	None Known	None Known	None Known	None Known
Cresol red 1733-12-6 (<0.1)	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt 518-51-4 (<0.5)	None Known	None Known	None Known	None Known
Excipients 0-0-0000 (>99)	None Known	None Known	None Known	None Known

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Methyl red	493-52-7	<0.1	None Known	None Known	None Known	None Known
Bromothymol blue	76-59-5	<0.1	None Known	None Known	None Known	None Known
Cresol red	1733-12-6	<0.1	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt	518-51-4	<0.5	None Known	None Known	None Known	None Known
Excipients	0-0-0000	>99	None Known	None Known	None Known	None Known

### CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Methyl red	None Known	None Known
Bromothymol blue	None Known	None Known
Cresol red	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known
Excipients	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
Methyl red	493-52-7	None Known
Bromothymol blue	76-59-5	None Known
Cresol red	1733-12-6	None Known
Phenolphthalein, disodium salt	518-51-4	None Known
Excipients	0-0-0000	None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Methyl red	None Known	None Known	None Known	None Known	None Known
Bromothymol blue	None Known	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known	None Known	None Known	None Known
Excipients	None Known	None Known	None Known	None Known	None Known



**International Regulations****Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Methyl red	None Known	None Known
Bromothymol blue	None Known	None Known
Cresol red	None Known	None Known
Phenolphthalein, disodium salt	None Known	None Known
Excipients	None Known	None Known

**Canada****WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tbody> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </tbody> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Issuing Date 12/13/2010

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**