

Issuing Date 4/27/2011

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Alkalinity Test Tablets
Product Code(s)	3920
Synonyms	none / ninguno / aucun
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 May be harmful if swallowed		
Appearance Pinkish brown	Physical State Tablet	Odor Odorless

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Ingestion

Acute Toxicity**Eyes**

No adverse effects expected from eye contact, but may cause irritation and redness.

Skin

Not expected to be a health hazard from skin contact. May cause irritation.

Inhalation

Not an expected route of exposure. May cause irritation of respiratory tract.

Ingestion

May be harmful if swallowed.

Chronic Effects

Product does not present a chronic toxicity hazard based on known or supplied information

Aggravated Medical Conditions None known.

Interactions with Other Chemicals None known.

Environmental Hazard No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Methylene blue	61-73-4	<0.1
Bromcresol green	76-60-8	<0.5
Methyl red	493-52-7	<0.5
Trade Secret ingredients	TRADE SECRET	<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 # 80100291-5016p, 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 thoroughly with plenty of water, also under the eyelids. If irritation persists or develops, contact a physician.
Skin Contact	Wash off with warm water and soap. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and contact emergency personnel. Call a physician immediately.
Ingestion	Drink plenty of water. If more than a few tablets have been swallowed contact physician.
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

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Dispose according to local regulations, if permitted dissolve tablets in water and rinse to drain.
Methods for Cleaning Up	After cleaning, flush away traces with water.

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.

Storage Keep containers tightly closed in a dry, cool, and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight. Protect from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methylene blue 61-73-4	None Known	None Known	None Known
Bromocresol green 76-60-8	None Known	None Known	None Known
Methyl red 493-52-7	None Known	None Known	None Known
Trade Secret ingredients TRADE SECRET	None Known	None Known	None Known

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Gloves & Lab Coat.
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. Wash hands and face before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pinkish brown	Odor	Odorless
Physical State	Tablet	pH	3.0-3.5 (1 tablet in 10mL of water)
Flash Point	Not applicable	Boiling Point/Range	No information available
Freezing Point	No information available		

Molecular Weight	No data available	Water Solubility	Soluble in water
Solubility	Soluble		

10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products No materials to be especially mentioned.

Conditions to Avoid Exposure to air or moisture over prolonged periods. Excessive heat.

Hazardous Decomposition Products None known.

Hazardous Polymerization Hazardous polymerization does not occur.

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
Methylene blue	1180 mg/kg (Rat)	None Known	None Known
Bromcresol green	None Known	None Known	None Known
Methyl red	None Known	None Known	None Known
Trade Secret ingredients	None Known	None Known	None Known

Chronic Toxicity**Chronic Toxicity**

Product does not present a chronic toxicity hazard based on known or supplied information.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methylene blue	None Known	None Known	None Known	None Known
Bromcresol green	None Known	None Known	None Known	None Known
Methyl red	None Known	None Known	None Known	None Known
Trade Secret ingredients	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Methylene blue	None Known	None Known	None Known
Bromcresol green	None Known	None Known	None Known
Methyl red	None Known	None Known	None Known
Trade Secret ingredients	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Methylene blue	None Known	None Known	None Known	None Known
Bromcresol green	None Known	None Known	None Known	None Known
Methyl red	None Known	None Known	None Known	None Known
Trade Secret ingredients	None Known	None Known	None Known	None Known

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Chemical Name	Log Pow
Methylene blue	None Known
Bromcresol green	None Known
Methyl red	None Known
Trade Secret ingredients	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose according to federal, state, and local regulations. If permitted, dissolve in large volume of water and rinse to drain with excess water.

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
Methylene blue - 61-73-4	None Known	None Known	None Known	None Known
Bromocresol green - 76-60-8	None Known	None Known	None Known	None Known
Methyl red - 493-52-7	None Known	None Known	None Known	None Known
Trade Secret ingredients - TRADE SECRET	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
Methylene blue 61-73-4 (<0.1)	Present	X	X	5-1995	X	KE-06942	X	X
Bromcresol green 76-60-8 (<0.5)	Present	X	X	ENCS	X	KE-02745	X	X
Methyl red 493-52-7 (<0.5)	Present	X	X	5-243	X	KE-06693	X	X
Trade Secret ingredients TRADE SECRET (<99)	TSCA	DSL	EINECS/ELINCS	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 %
Methylene blue	61-73-4	<0.1	None Known
Bromcresol green	76-60-8	<0.5	None Known
Methyl red	493-52-7	<0.5	None Known
Trade Secret ingredients	TRADE SECRET	<99	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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
Methylene blue 61-73-4 (<0.1)	None Known	None Known	None Known	None Known
Bromcresol green 76-60-8 (<0.5)	None Known	None Known	None Known	None Known
Methyl red 493-52-7 (<0.5)	None Known	None Known	None Known	None Known
Trade Secret ingredients TRADE SECRET (<99)	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
Methylene blue	61-73-4	<0.1	None Known	None Known	None Known	None Known
Bromcresol green	76-60-8	<0.5	None Known	None Known	None Known	None Known
Methyl red	493-52-7	<0.5	None Known	None Known	None Known	None Known

Trade Secret ingredients	TRADE SECRET	<99	None Known	None Known	None Known	None Known
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CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Methylene blue	None Known	None Known
Bromcresol green	None Known	None Known
Methyl red	None Known	None Known
Trade Secret ingredients	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
Methylene blue	61-73-4	None Known
Bromcresol green	76-60-8	None Known
Methyl red	493-52-7	None Known
Trade Secret ingredients	TRADE SECRET	None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Methylene blue	None Known	None Known	None Known	None Known	None Known
Bromcresol green	None Known	None Known	None Known	None Known	None Known
Methyl red	None Known	None Known	None Known	None Known	None Known
Trade Secret ingredients	None Known	None Known	None Known	None Known	None Known



International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Methylene blue	None Known	None Known
Bromcresol green	None Known	None Known
Methyl red	None Known	None Known
Trade Secret ingredients	None Known	None Known

Canada

Component	WHMIS Hazard Class
Methylene blue 61-73-4 (<0.1)	1 % Uncontrolled product according to WHMIS classification criteria
Bromcresol green 76-60-8 (<0.5)	Uncontrolled product according to WHMIS classification criteria
Methyl red 493-52-7 (<0.5)	Uncontrolled product according to WHMIS classification criteria
Trade Secret ingredients TRADE SECRET (<99)	Not determined

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td data-bbox="508 201 716 239">Health Hazard</td> <td data-bbox="724 201 792 239">1</td> </tr> <tr> <td data-bbox="508 249 716 287">Fire Hazard</td> <td data-bbox="724 249 792 287">0</td> </tr> <tr> <td data-bbox="508 298 716 336">Reactivity</td> <td data-bbox="724 298 792 336">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		Not regulated
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department

Issuing Date 4/27/2011

Revision Date 27-Apr-2011

Revision Note
Initial Release

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