



Issuing Date Apr-27-2011

Revision Date May-08-2014

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Alkalinity TesTabs
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, ~0.1g (100mg) **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 slight 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). Each tablet weights ~100mg (0.100g).

Chemical name	CAS-No	Weight %
Bromcresol green	76-60-8	<0.5
Polyvinyl pyrrolidone	9003-39-8	<0.5
Methyl red	493-52-7	<0.5
Chelant	-	0 - 10%
Resin	-	0 - 10%
Carboxylic acid	-	0 - 10%
Excipient	-	20 - 30%
Chloride salt	-	60 - 70%

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5074p, 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. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Drink plenty of water. Rinse mouth. If symptoms persist or develop contact physician. Do NOT induce vomiting.
Protection of First-aiders	Use personal protective equipment.

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.			
NFPA	Health hazard 0	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	Dispose according to local regulations, if permitted dissolve in water and rinse to drain.

Methods for cleaning up Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling Do not eat, drink, or smoke when using this product. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	CAS-No	ACGIH TLV	OSHA PEL	NIOSH IDLH
Bromocresol green	76-60-8	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known
Chelant	-	None known	None known	None known
Resin	-	None known	None known	None known
Carboxylic acid	-	None known	None known	None known
Excipient	-	None known	None known	None known
Chloride salt	-	None known	None known	None known

Personal protective equipment

Eye/face Protection

Tightly fitting safety goggles.

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, ~0.1g (100mg)	pH	3.25 (1 tablet in 10mL of water)
Flash point	Not Applicable	Boiling Point/Range	No information available
Freezing Point	No information available	Water solubility	Soluble in water
Molecular weight	No data available	XTable Placeholder	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	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bromcresol green	76-60-8	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	= 100 g/kg (Rat)	None known	None known
Methyl red	493-52-7	None known	None known	None known
Chelant	-	> 5000 mg/kg (Rat)	None known	None known
Resin	-	None known	None known	None known
Carboxylic acid	-	= 3000 mg/kg (Rat)	None known	None known
Excipient	-	> 10 g/kg (Rat)	None known	None known
Chloride salt	-	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h

Chronic toxicity**Chronic toxicity**

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

Carcinogenicity

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical name	CAS-No	ACGIH	IARC	NTP	OSHA
Bromcresol green	76-60-8	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	Group 3	None known	None known
Methyl red	493-52-7	None known	Group 3	None known	None known
Chelant	-	None known	None known	None known	None known
Resin	-	None known	None known	None known	None known
Carboxylic acid	-	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

Chemical name	CAS-No	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine disrupting potential
Bromcresol green	76-60-8	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known
Chelant	-	None known	None known	None known
Resin	-	None known	None known	None known
Carboxylic acid	-	None known	None known	None known
Excipient	-	None known	None known	None known
Chloride salt	-	None known	None known	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	CAS-No	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Bromcresol green	76-60-8	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known	None known
Chelant	-	None known	24000: 96 h Gambusia affinis mg/L LC50 static	None known	None known
Resin	-	None known	None known	None known	None known
Carboxylic acid	-	None known	1516: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 14 mg/L 15 min	120: 72 h Daphnia magna mg/L EC50
Excipient	-	None known	None known	None known	None known
Chloride salt	-	None known	4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 12946: 96 h Lepomis macrochirus mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static	None known	340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static 1000: 48 h Daphnia magna mg/L EC50

Persistence and degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical name	CAS-No	Log Pow
Bromcresol green	76-60-8	None known
Polyvinyl pyrrolidone	9003-39-8	None known
Methyl red	493-52-7	None known
Chelant	-	None known
Resin	-	None known
Carboxylic acid	-	-1.72
Excipient	-	None known
Chloride salt	-	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	CAS-No	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Bromcresol green	76-60-8	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known	None known
Chelant	-	None known	None known	None known	None known
Resin	-	None known	None known	None known	None known
Carboxylic acid	-	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

Chemical name	CAS-No	California Hazardous Waste Status
Bromcresol green	76-60-8	
Polyvinyl pyrrolidone	9003-39-8	
Methyl red	493-52-7	
Chelant	-	
Resin	-	
Carboxylic acid	-	
Excipient	-	
Chloride salt	-	

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	CAS-No	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Bromcresol green	76-60-8	Present	X	X	ENCS	X	KE-02745	X	X
Polyvinyl pyrrolidone	9003-39-8	Present	X	EINECS/ELINCS	Present	X	KE-13324	X	X
Methyl red	493-52-7	Present	X	X	ENCS	X	KE-06693	X	X
Chelant	-	Present	X	X	Present	X	KE-31633	X	X
Resin	-	Present	X	EINECS/ELINCS	Present	X	KE-25266	X	X
Carboxylic acid	-	Present	X	X	Present	X	KE-20831	X	X
Excipient	-	Present	X	X	ENCS	X	KE-17416	X	X
Chloride salt	-	Present	X	X	Present	X	KE-31387	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 %
Bromcresol green	76-60-8	<0.5	None known
Polyvinyl pyrrolidone	9003-39-8	<0.5	None known
Methyl red	493-52-7	<0.5	None known
Chelant	-	0 - 10%	None known
Resin	-	0 - 10%	None known
Carboxylic acid	-	0 - 10%	None known
Excipient	-	20 - 30%	None known
Chloride salt	-	60 - 70%	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

Chemical name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

Bromcresol green	76-60-8	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known	None known
Chelant	-	None known	None known	None known	None known
Resin	-	None known	None known	None known	None known
Carboxylic acid	-	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

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
Bromcresol green	76-60-8	<0.5	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	<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
Chelant	-	0 - 10%	None known	None known	None known	None known
Resin	-	0 - 10%	None known	None known	None known	None known
Carboxylic acid	-	0 - 10%	None known	None known	None known	None known
Excipient	-	20 - 30%	None known	None known	None known	None known
Chloride salt	-	60 - 70%	None known	None known	None known	None known

CERCLA

Chemical name	CAS-No	Hazardous Substances RQs	CERCLA/SARA RQ
Bromcresol green	76-60-8	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known
Methyl red	493-52-7	None known	None known
Chelant	-	None known	None known
Resin	-	None known	None known
Carboxylic acid	-	None known	None known
Excipient	-	None known	None known
Chloride 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
Bromcresol green	76-60-8	None known
Polyvinyl pyrrolidone	9003-39-8	None known
Methyl red	493-52-7	None known
Chelant	-	None known
Resin	-	None known
Carboxylic acid	-	None known
Excipient	-	None known
Chloride salt	-	None known

Chemical name	CAS-No	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bromcresol green	76-60-8	None known	None known	None known	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known	None known	None known	None known
Methyl red	493-52-7	None known	None known	None known	None known	None known
Chelant	-	None known	None known	None known	None known	None known
Resin	-	None known	None known	None known	None known	None known
Carboxylic acid	-	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

International Regulations

Mexico - Grade

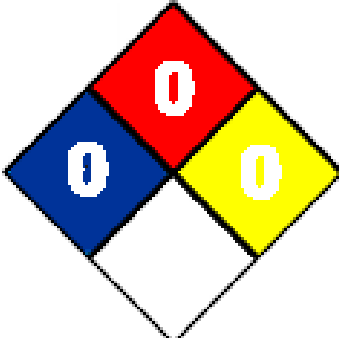

Chemical name	CAS-No	Carcinogen Status	Exposure Limits
Bromcresol green	76-60-8	None known	None known
Polyvinyl pyrrolidone	9003-39-8	None known	None known
Methyl red	493-52-7	None known	None known
Chelant	-	None known	None known
Resin	-	None known	None known
Carboxylic acid	-	None known	None known
Excipient	-	None known	None known
Chloride salt	-	None known	None known

CANADA

Component	CAS-No	WHMIS Hazard Class
Bromcresol green 76-60-8 (<0.5)	76-60-8	Uncontrolled product according to WHMIS classification criteria
Polyvinyl pyrrolidone 9003-39-8 (<0.5)	9003-39-8	Uncontrolled product according to WHMIS classification criteria
Methyl red 493-52-7 (<0.5)	493-52-7	Uncontrolled product according to WHMIS classification criteria
Chelant (0 - 10%)	-	Uncontrolled product according to WHMIS classification criteria
Resin (0 - 10%)	-	Not Determined
Carboxylic acid (0 - 10%)	-	1 % E
Excipient (20 - 30%)	-	Uncontrolled product according to WHMIS classification criteria
Chloride salt (60 - 70%)	-	Uncontrolled product according to WHMIS classification criteria

Chemical name	CAS-No	NPRI
Bromcresol green	76-60-8	
Polyvinyl pyrrolidone	9003-39-8	
Methyl red	493-52-7	
Chelant	-	
Resin	-	
Carboxylic acid	-	
Excipient	-	
Chloride salt	-	

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1" style="border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared by
 Issuing Date
 Revision Date
 Revision note

Regulatory Affairs Department
 Apr-27-2011
 May-08-2014
 MSDS was reviewed per Canada request - Canada requires MSDS to be dated within 3 years of the request.

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