



Issuing Date 7/18/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PH INDICATOR SOLUTION

Product Code(s) 5701

Synonyms none

Recommended Use Test kit reagent. Laboratory chemicals. 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 cause skin and eye irritation

May stain skin

Appearance Blue green**Physical State** Liquid**Odor** None**Potential Health Effects****Principle Routes of Exposure**

Skin contact

Acute Toxicity**Eyes**

May cause slight irritation.

Skin

May stain skin. Substance may cause slight skin irritation.

Inhalation

Not an expected route of exposure.

Ingestion

May cause irritation.

Chronic Effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Bromocresol purple	115-40-2	<0.001
Cresol red	1733-12-6	<0.005
Bromocresol green	76-60-8	<0.005
Polyacrylamides	9003-05-8	<0.01
Water	7732-18-5	to 100%

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. If irritation persists or develops, contact a physician.
Skin Contact	Wash skin with soap and water. If irritation develops or persists, consult physician.
Inhalation	Not expected to require first aid measures. Move to fresh air.
Ingestion	Drink 1 or 2 glasses of water. If symptoms persist or develop contact physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. 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				
NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 0	Stability 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose according to federal, state, and local regulations.
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 tightly closed in a dry and cool place. Protect from light. Keep in properly labeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Bromocresol purple 115-40-2	None Known	None Known	None Known
Cresol red 1733-12-6	None Known	None Known	None Known
Bromocresol green 76-60-8	None Known	None Known	None Known
Polyacrylamides 9003-05-8	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin and Body Protection

Protective gloves.

Respiratory Protection

None required under normal usage. Maintain adequate ventilation.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Blue green

Odor

None

Physical State

Liquid

pH

7

Flash Point

Not applicable

Boiling Point/Range

ca. 100°C/212°F

Vapor Pressure

No information available

Vapor Density

No information available

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions of use and storage.

Incompatible Products

Strong oxidizing agents.

Conditions to Avoid

None known based on information supplied.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions - . Carbon oxides (COx). Nitrogen oxides (NOx).

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bromocresol purple	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known
Bromocresol green	None Known	None Known	None Known
Polyacrylamides	1 g/kg (Rat)	None Known	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity**Carcinogenicity**

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Bromocresol purple	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known
Bromocresol green	None Known	None Known	None Known	None Known
Polyacrylamides	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Bromocresol purple	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known
Bromocresol green	None Known	None Known	None Known
Polyacrylamides	None Known	None Known	None Known
Water	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Bromocresol purple	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known
Bromocresol green	None Known	None Known	None Known	None Known
Polyacrylamides	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical Name	Log Pow
Bromocresol purple	None Known
Cresol red	None Known
Bromocresol green	None Known
Polyacrylamides	None Known
Water	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method 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
Bromocresol purple - 115-40-2	None Known	None Known	None Known	None Known
Cresol red - 1733-12-6	None Known	None Known	None Known	None Known
Bromocresol green - 76-60-8	None Known	None Known	None Known	None Known
Polyacrylamides - 9003-05-8	None Known	None Known	None Known	None Known
Water - 7732-18-5	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
Bromocresol purple 115-40-2 (<0.001)	Present	X	X	5-533	X	KECL	X	X
Cresol red 1733-12-6 (<0.005)	Present	X	X	ENCS	X	KECL	X	X
Bromocresol green 76-60-8 (<0.005)	Present	X	X	ENCS	X	KE-02745	X	X
Polyacrylamides 9003-05-8 (<0.01)	XU	X	EINECS/ELINCS	6-849	X	KE-29375	X	X
Water 7732-18-5 (to 100%)	Present	X	X	ENCS	X	KE-35400	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 %
Bromocresol purple	115-40-2	<0.001	None Known
Cresol red	1733-12-6	<0.005	None Known
Bromocresol green	76-60-8	<0.005	None Known
Polyacrylamides	9003-05-8	<0.01	None Known
Water	7732-18-5	to 100%	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

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
Bromocresol purple 115-40-2 (<0.001)	None Known	None Known	None Known	None Known
Cresol red 1733-12-6 (<0.005)	None Known	None Known	None Known	None Known
Bromocresol green 76-60-8 (<0.005)	None Known	None Known	None Known	None Known
Polyacrylamides 9003-05-8 (<0.01)	None Known	None Known	None Known	None Known
Water 7732-18-5 (to 100%)	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
Bromocresol purple	115-40-2	<0.001	None Known	None Known	None Known	None Known
Cresol red	1733-12-6	<0.005	None Known	None Known	None Known	None Known
Bromocresol green	76-60-8	<0.005	None Known	None Known	None Known	None Known
Polyacrylamides	9003-05-8	<0.01	None Known	None Known	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Bromocresol purple	None Known	None Known
Cresol red	None Known	None Known
Bromocresol green	None Known	None Known
Polyacrylamides	None Known	None Known
Water	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
Bromocresol purple	115-40-2	None Known
Cresol red	1733-12-6	None Known
Bromocresol green	76-60-8	None Known
Polyacrylamides	9003-05-8	None Known
Water	7732-18-5	None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bromocresol purple	None Known	None Known	None Known	None Known	None Known
Cresol red	None Known	None Known	None Known	None Known	None Known
Bromocresol green	None Known	None Known	None Known	None Known	None Known
Polyacrylamides	None Known	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

International Regulations**Mexico - Grade**

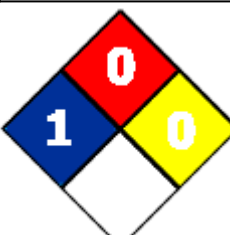

Chemical Name	Carcinogen Status	Exposure Limits
Bromocresol purple	None Known	None Known
Cresol red	None Known	None Known
Bromocresol green	None Known	None Known
Polyacrylamides	None Known	None Known
Water	None Known	None Known

Canada

Component	WHMIS Hazard Class
Bromocresol purple 115-40-2 (<0.001)	Uncontrolled product according to WHMIS classification criteria

Cresol red 1733-12-6 (<0.005)	Not determined
Bromcresol green 76-60-8 (<0.005)	Uncontrolled product according to WHMIS classification criteria
Polyacrylamides 9003-05-8 (<0.01)	Uncontrolled product according to WHMIS classification criteria
Water 7732-18-5 (to 100%)	Uncontrolled product according to WHMIS classification criteria

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table><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></table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By

Regulatory Affairs Department

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18-Jul-2012

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