



Issuing Date Apr-20-2011

Revision Date May-13-2014

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** PHENOL RED TABLETS  
**Product Code(s)** 6915  
**Synonyms** none / ninguno / aucun  
**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**  
Large oral doses may cause gastrointestinal irritation  
May cause skin and eye irritation  
**Appearance** Red-Orange **Physical state** solid, Tablet **Odor** Odorless

**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**  
**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.  
**Ingestion** May cause gastrointestinal discomfort if consumed in large amounts.

**Chronic effects**  
**Aggravated Medical Conditions** None known.

**Environmental hazard** No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS-No	Weight %
Thiosulfate, sodium, pentahydrate	10102-17-7	<0.5
Phenol red	143-74-8	<0.5
Potassium chloride	7447-40-7	<75

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**

<b>General advice</b>	Do not get in eyes, on skin, or on clothing.
<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 immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	Drink plenty of water. Clean mouth with water. If more than a few tablets have been swallowed contact physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	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**

<b>Flammable properties</b>	Not a fire hazard.			
<b>Suitable extinguishing media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>NFPA</b>	<b>Health hazard</b> 0	<b>flammability</b> 0	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> N/A
<b>HMIS</b>	<b>Health hazard</b> 0	<b>flammability</b> 0	<b>Stability</b> 0	

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Refer to Section 8.
<b>Methods for containment</b>	Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal. Dispose according to local regulations, if permitted dissolve in water and rinse to drain.
<b>Methods for cleaning up</b>	After cleaning, flush away traces with water. If local regulations permit, rinse to drain with excess water.

**7. HANDLING AND STORAGE**

<b>Handling</b>	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	CAS-No	ACGIH TLV	OSHA PEL	NIOSH IDLH
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known
Potassium chloride	7447-40-7	None known	None known	None known

### 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

<b>Appearance</b>	Red-Orange	<b>Odor</b>	Odorless
<b>Physical state</b>	solid, Tablet	<b>pH</b>	7 (1 tablet in 10mL of water)
<b>Explosion Limits</b>	Not Applicable		
<b>Specific gravity</b>	No data available	<b>Molecular weight</b>	No data available
<b>Water solubility</b>	Soluble in water		
<b>XTable Placeholder</b>	Soluble	<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable.
<b>Incompatible Products</b>	None known based on information supplied.
<b>Conditions to avoid</b>	Exposure to air or moisture over prolonged periods.
<b>Hazardous decomposition products</b>	None under normal use.
<b>Hazardous Reactions</b>	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
Thiosulfate, sodium, pentahydrate	10102-17-7	> 5000 mg/kg ( Rat )	None known	None known
Phenol red	143-74-8	None known	None known	None known
Potassium chloride	7447-40-7	= 2600 mg/kg ( Rat )	None known	None known

### Carcinogenicity

Chemical name	CAS-No	ACGIH	IARC	NTP	OSHA
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known	None known
Potassium chloride	7447-40-7	None known	None known	None known	None known

Chemical name	CAS-No	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine disrupting potential
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known
Potassium chloride	7447-40-7	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)
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	24000: 96 h <i>Gambusia affinis</i> mg/L LC50 static	None known	None known
Phenol red	143-74-8	None known	None known	None known	None known
Potassium chloride	7447-40-7	2500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	750 - 1020: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1060: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	None known	825: 48 h <i>Daphnia magna</i> mg/L EC50 83: 48 h <i>Daphnia magna</i> mg/L EC50 Static

**Persistence and degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

Chemical name	CAS-No	Log Pow
Thiosulfate, sodium, pentahydrate	10102-17-7	None known
Phenol red	143-74-8	None known
Potassium chloride	7447-40-7	None known

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**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
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known	None known
Potassium chloride	7447-40-7	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

Chemical name	CAS-No	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Thiosulfate, sodium, pentahydrate	10102-17-7	TSCA	X	EINECS/ELINCS	ENCS	X	KECL	X	X
Phenol red	143-74-8	Present	X	X	Present	X	KE-02748	X	X

Potassium chloride	7447-40-7	Present	X	X	Present	X	KE-29086	X	X
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**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 %
Thiosulfate, sodium, pentahydrate	10102-17-7	<0.5	None known
Phenol red	143-74-8	<0.5	None known
Potassium chloride	7447-40-7	<75	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).

Chemical name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known	None known
Potassium chloride	7447-40-7	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
Thiosulfate, sodium, pentahydrate	10102-17-7	<0.5	None known	None known	None known	None known
Phenol red	143-74-8	<0.5	None known	None known	None known	None known
Potassium chloride	7447-40-7	<75	None known	None known	None known	None known

**CERCLA**

Chemical name	CAS-No	Hazardous Substances RQs	CERCLA/SARA RQ
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known
Phenol red	143-74-8	None known	None known
Potassium chloride	7447-40-7	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
Thiosulfate, sodium, pentahydrate	10102-17-7	None known
Phenol red	143-74-8	None known
Potassium chloride	7447-40-7	None known

**U.S. State Right-to-Know Regulations**

Chemical name	CAS-No	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known	None known	None known	None known
Phenol red	143-74-8	None known	None known	None known	None known	None known

Potassium chloride	7447-40-7	None known	None known	None known	None known	None known
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**International Regulations**

**Mexico - Grade**

Chemical name	CAS-No	Carcinogen Status	Exposure Limits
Thiosulfate, sodium, pentahydrate	10102-17-7	None known	None known
Phenol red	143-74-8	None known	None known
Potassium chloride	7447-40-7	None known	None known

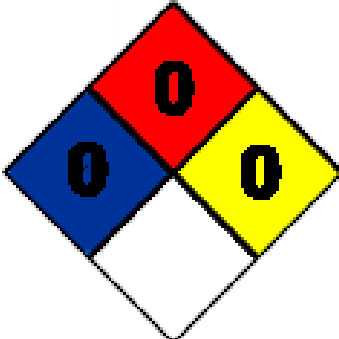

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Component	CAS-No	WHMIS Hazard Class
Thiosulfate, sodium, pentahydrate 10102-17-7 (<0.5)	10102-17-7	Uncontrolled product according to WHMIS classification criteria
Phenol red 143-74-8 (<0.5)	143-74-8	Not Determined
Potassium chloride 7447-40-7 (<75)	7447-40-7	Uncontrolled product according to WHMIS classification criteria

Chemical name	CAS-No	NPRI
Thiosulfate, sodium, pentahydrate	10102-17-7	
Phenol red	143-74-8	
Potassium chloride	7447-40-7	

**16. OTHER INFORMATION**

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

<p>Prepared by Issuing Date Revision Date Revision note</p>	<p>Regulatory Affairs Department Apr-20-2011 May-13-2014 MSDS was reviewed per Canada request - Canada requires MSDS to be dated within 3 years of the request.</p>
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**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**