

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** BROMCRESOL GREEN METHYL RED INDICATOR TABLETS**Other means of identification****Product Code(s)** T-2311**Recommended use of the chemical and restrictions on use****Recommended Use** Use as a laboratory reagent. Industrial (not for food or food contact use). Laboratory chemicals.**Details of the supplier of the safety data sheet****Manufacturer Address**LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620 USA  
T 410-778-3100  
F 410-778-9748**Emergency telephone numbers**

(CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

**2. HAZARDS IDENTIFICATION****OSHA Regulatory Status**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**EMERGENCY OVERVIEW****Appearance** Blue green **Physical state** Tablet **Odor** None**Precautionary Statements - Prevention**

Keep out of the reach of children.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Drink 1 or 2 glasses of water. Call a physician immediately.

**Storage:**

Store in a well-ventilated place. Keep cool.

**Other Hazards**

May be harmful if swallowed. Harmful to aquatic life with long lasting effects.

**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-% |
|--------------------|-----------|----------|
| Potassium chloride | 7447-40-7 | >98      |

#### 4. FIRST AID MEASURES

##### First Aid Measures

|  |   |
|--|---|
| <b>General advice</b>                            | Show this safety data sheet to the doctor in attendance. 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 symptoms persist, call a physician.   |
| <b>Skin contact</b>                              | Wash off with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.  |
| <b>Inhalation</b>                                | Remove to fresh air.  |
| <b>Ingestion</b>                                 | Drink plenty of water. Consult a physician if necessary.  |
| <b><u>Self-protection of the first aider</u></b> | Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

#### 5. FIREFIGHTING MEASURES

##### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Avoid contact with eyes, skin and clothing.   |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |

##### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal.                        |
| <b>Methods for cleaning up</b> | If local regulations permit, dissolve and rinse to drain with excess water. After cleaning, flush away traces with water. |

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not taste or swallow. Do not eat, drink, or smoke when using this product. |
|-----------------|--|

##### Conditions for safe storage, including any incompatibilities

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Keep out of the reach of children.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

| Chemical name                   | ACGIH TLV | OSHA PEL | NIOSH IDLH      |
|---------------------------------|-----------|----------|-----------------|
| Potassium chloride<br>7447-40-7 | *-        | *-       | Not Established |

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Protective gloves.

**Respiratory protection** None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |            |             |      |
|-----------------------|------------|-------------|------|
| <b>Physical state</b> | Tablet     | <b>Odor</b> | None |
| <b>Appearance</b>     | Blue green |             |      |

| <u>Property</u>                       | <u>Values</u>            | <u>Remarks • Method</u>                                    |
|---------------------------------------|--------------------------|--|
| pH                                    | 6                        | (1 tablet in 10mL of water)<br>(1 tablet in 10mL of water) |
| <b>Melting point / freezing point</b> | No information available |  |
| <b>Boiling point / boiling range</b>  | No information available |  |
| <b>Flash point</b>                    | Not Applicable           |  |
| <b>Evaporation rate</b>               |                          |  |
| <b>Flammability (solid, gas)</b>      | No information available |  |
| <b>Flammability Limit in Air</b>      |                          |  |
| <b>Upper flammability limit:</b>      | No information available |  |
| <b>Lower flammability limit:</b>      | No information available |  |
| <b>Vapor pressure</b>                 | No information available |  |
| <b>Vapor density</b>                  | No information available |  |
| <b>Specific gravity</b>               | No information available |  |
| <b>Water solubility</b>               | No information available |  |
| <b>Solubility in other solvents</b>   | No information available |  |
| <b>Partition coefficient</b>          | No information available |  |
| <b>Autoignition temperature</b>       | No information available |  |
| <b>Decomposition temperature</b>      | No information available |  |
| <b>Kinematic viscosity</b>            | No information available |  |
| <b>Dynamic viscosity</b>              | No information available |  |
| <b>Explosive properties</b>           | No information available |  |
| <b>Oxidizing properties</b>           | No information available |  |

### Other Information

Softening point No information available  
Molecular weight No information available  
VOC Content (%) No information available  
Density No information available  
Bulk density No information available

### 10. STABILITY AND REACTIVITY

Stability Stable.  
Hazardous polymerization Hazardous polymerization does not occur.  
Conditions to avoid Moisture. Excessive heat.  
Incompatible materials Strong oxidizing agents.  
Hazardous decomposition products Hazardous decomposition products formed under fire conditions -. Carbon oxides (COx).

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### Component identification

| Chemical name                   | ATEmix (oral)        | ATEmix (dermal) | Inhalation LC50 |
|---------------------------------|----------------------|-----------------|-----------------|
| Potassium chloride<br>7447-40-7 | = 2600 mg/kg ( Rat ) | Not Established | Not Established |

#### Information on toxicological effects

| Chemical name                   | ACGIH           | IARC            | NTP             | OSHA            |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|
| Potassium chloride<br>7447-40-7 | Not Established | Not Established | Not Established | Not Established |

ATEmix (oral) 2,642.00 mg/kg

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Harmful to aquatic life with long lasting effects

| Chemical name                   | Toxicity to Algae                               | Toxicity to Fish   | Daphnia Magna (Water Flea)  |
|---------------------------------|---|--|---|
| Potassium chloride<br>7447-40-7 | 2500: 72 h Desmodesmus<br>subspicatus mg/L EC50 | 750 - 1020: 96 h Pimephales<br>promelas mg/L LC50 static 1060:<br>96 h Lepomis macrochirus mg/L<br>LC50 static | 825: 48 h Daphnia magna mg/L<br>EC50 83: 48 h Daphnia magna<br>mg/L EC50 Static |

#### Persistence and degradability

No information available.

#### Bioaccumulation/Accumulation

No information available.

| Chemical name                   | Log Pow         |
|---------------------------------|-----------------|
| Potassium chloride<br>7447-40-7 | Not Established |

### 13. DISPOSAL CONSIDERATIONS

Disposal Methods Dispose of waste product or used containers according to local regulations. Dispose of contents/containers in accordance with local regulations.  
Contaminated packaging Do not reuse empty containers.

| Chemical name                   | RCRA            | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------------------|-----------------|--------------------------|------------------------|------------------------|
| Potassium chloride<br>7447-40-7 | Not Established | -                        | Not Established        | Not Established        |

| Chemical name                   | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|---------------------------------|--------------------------------------|------------------------|------------------------|------------------------|
| Potassium chloride<br>7447-40-7 | Not Established                      | Not Established        | Not Established        | Not Established        |

| Chemical name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Potassium chloride<br>7447-40-7 | *_                                |

#### 14. TRANSPORT INFORMATION

|                 |               |
|-----------------|---------------|
| <u>DOT</u>      | Not regulated |
| <u>TDG</u>      | Not regulated |
| <u>MEX</u>      | Not regulated |
| <u>ICAO</u>     | Not regulated |
| <u>IATA</u>     | Not regulated |
| <u>IMDG/IMO</u> | Not regulated |
| <u>RID</u>      | Not regulated |
| <u>ADR</u>      | Not regulated |
| <u>ADN</u>      | Not regulated |

#### 15. REGULATORY INFORMATION

##### International Inventories

|               |                 |
|---------------|-----------------|
| TSCA          | Complies        |
| DSL/NDSL      | Complies        |
| EINECS/ELINCS | Does not comply |
| ENCS          | Does not comply |
| IECSC         | Complies        |
| KECL          | Complies        |
| PICCS         | Complies        |
| AICS          | Complies        |

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

##### US 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 | SARA 313 - Threshold Values % |
|---------------|-------------------------------|
|---------------|-------------------------------|

|                                 |                 |
|---------------------------------|-----------------|
| Potassium chloride<br>7447-40-7 | Not Established |
|---------------------------------|-----------------|

**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 |

**CWA (Clean Water Act)**

| Chemical name                   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium chloride<br>7447-40-7 | Not Established             | Not Established        | Not Established           | Not Established            |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name                   | Hazardous Substances RQs | CERCLA/SARA RQ  | RQ |
|---------------------------------|--------------------------|-----------------|----|
| Potassium chloride<br>7447-40-7 | *-                       | Not Established | -  |

**US State Regulations**

This product does not contain any Proposition 65 chemicals.

| Chemical name                   | California Proposition 65 |
|---------------------------------|---------------------------|
| Potassium chloride<br>7447-40-7 | Not Established           |

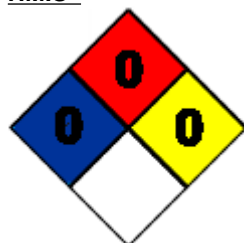
**U.S. State Right-to-Know Regulations**

| Chemical name                   | New Jersey      | Massachusetts   | Pennsylvania    |
|---------------------------------|-----------------|-----------------|-----------------|
| Potassium chloride<br>7447-40-7 | Not Established | Not Established | Not Established |

**CPSC (Consumer Product Safety Commission) - Specially Regulated Substances**

**16. OTHER INFORMATION**

|             |                 |                |               |                                   |
|-------------|-----------------|----------------|---------------|-----------------------------------|
| <b>NFPA</b> | Health hazard 0 | Flammability 0 | Instability 0 | Physical and Chemical Hazards N/A |
| <b>HMIS</b> | Health hazard 1 | Flammability 0 | Stability 0   |                                   |



|               |   |
|---------------|---|
| Health Hazard | 1 |
| Fire Hazard   | 0 |
| Reactivity    | 0 |

Issuing Date Aug-11-2017

Revision Date Dec-21-2016

**Disclaimer**

The information provided on this SDS 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 Safety Data Sheet**