

Issuing Date 4/27/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	CHLORIDE SPECTROPHOTOMETRIC GRADE TABLET
Product Code(s)	3885
Synonyms	none / ninguno / aucun
Recommended Use	Test kit reagent. Industrial (not for food or food contact use). Laboratory chemicals.
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**WARNING!****Emergency Overview**

Harmful if swallowed

Irritating to skin

Irritating to eyes

May cause irritation of respiratory tract

May produce an allergic reaction

Appearance Light gray**Physical State** Solid, Tablet, ~0.1g
(100mg)**Odor** Odorless

OSHA Regulatory Status This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold, but considers exposure to the chemical if user has direct eye and skin contact with the chemical.

Potential Health Effects**Principle Routes of Exposure**

Skin contact, Ingestion.

Acute Toxicity**Eyes**

Irritating to eyes. Causes irritation, redness, and pain.

Skin

Irritating to skin.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Harmful if swallowed.

Chronic Effects

May produce an allergic reaction

Main Symptoms

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Aggravated Medical Conditions

None known.

Interactions with Other Chemicals

None known.

Environmental Hazard No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Aromatic carboxylic acid salt	-	1-10
Sodium bisulfate	7681-38-1	1-10
Silver nitrate	7761-88-8	5-10
Potassium persulfate	7727-21-1	1-10
Excipient	-	75-85

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.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Consult a physician.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.

Ingestion Drink plenty of water. Call a physician immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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 (CO₂), or foam.

Explosion Data

NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards N/A
HMIS	Health Hazard 2	Flammability 0	Stability 1	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Refer to Section 8.

Methods for Cleaning Up Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. 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. Keep away from heat. Keep away from heat, moisture, and incompatibles. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aromatic carboxylic acid salt	None Known	None Known	None Known
Sodium bisulfate 7681-38-1	None Known	None Known	None Known
Silver nitrate 7761-88-8	TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³	IDLH: 10 mg/m ³ TWA: 0.01 mg/m ³
Potassium persulfate 7727-21-1	TWA: 0.1 mg/m ³	None Known	None Known
Excipient	None Known	None Known	None Known

Engineering Measures Ensure adequate ventilation, especially in confined areas.

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

Appearance	Light gray	Odor	Odorless
Physical State	Solid, Tablet, ~0.1g (100mg)	pH	3 (1 tablet in 10mL of water)
Flash Point	Not applicable	Boiling Point/Range	Not applicable
Freezing Point	No information available		
Explosion Limits	Not applicable		
Molecular Weight	No data available	Water Solubility	Soluble in water
Solubility	Soluble		

10. STABILITY AND REACTIVITY

Stability	Stable.
Incompatible Products	Alkalis.
Conditions to Avoid	Exposure to air or moisture over prolonged periods. Excessive heat. Protect from light. Keep away from children.
Hazardous Decomposition Products	Nitrogen oxides (NO _x). Sulfur oxides (SO _x). Potassium Oxides. Silver/Silver Oxides.
Hazardous Reactions	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aromatic carboxylic acid salt	2100 mg/kg (Rat)	None Known	None Known
Sodium bisulfate	2490 mg/kg (Rat)	None Known	None Known
Silver nitrate	1173 mg/kg (Rat)	None Known	None Known
Potassium persulfate	802 mg/kg (Rat)	None Known	None Known
Excipient	10 g/kg (Rat)	None Known	None Known

Chronic Toxicity

Chronic Toxicity May produce an allergic reaction.

Chemical Name	ACGIH	IARC	NTP	OSHA
Aromatic carboxylic acid salt	None Known	None Known	None Known	None Known
Sodium bisulfate	None Known	None Known	None Known	None Known
Silver nitrate	None Known	None Known	None Known	None Known
Potassium persulfate	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known

Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Aromatic carboxylic acid salt	None Known	None Known	None Known
Sodium bisulfate	None Known	None Known	None Known
Silver nitrate	None Known	None Known	None Known
Potassium persulfate	None Known	None Known	None Known
Excipient	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Aromatic carboxylic acid salt	None Known	LC50= 484 mg/L Pimephales promelas 96 h LC50> 100 mg/L Pimephales promelas 96 h	EC50 = 500 mg/L 24 h	EC50 > 100 mg/L 96 h
Sodium bisulfate	None Known	None Known	None Known	EC50 = 190 mg/L 48 h
Silver nitrate	None Known	LC50= 0.0056 mg/L Pimephales promelas 96 h LC50= 0.006 mg/L Oncorhynchus mykiss 96 h LC50= 0.0064 mg/L Pimephales promelas 96 h LC50= 0.00644 mg/L Poecilia reticulata 96 h LC50= 0.007 mg/L Lepomis macrochirus 96 h LC50= 0.0085 mg/L Poecilia reticulata 96 h LC50= 0.0094 mg/L Pimephales promelas 96 h	EC50 = 0.038 mg/L 24 h EC50 = 0.395 mg/l 15 min EC50 = 0.44 mg/L 30 min EC50 = 0.86 mg/L 15 min	EC50 = 0.0006 mg/L 48 h EC50 = 0.9 µg/L 48 h LC50 = 5 µg/L 96 h
Potassium persulfate	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
Aromatic carboxylic acid salt	= -2.13
Sodium bisulfate	None Known
Silver nitrate	None Known
Potassium persulfate	None Known
Excipient	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. Should not be released into the environment.

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
Aromatic carboxylic acid salt	None Known	None Known	None Known	None Known
Sodium bisulfate - 7681-38-1	None Known	None Known	None Known	None Known
Silver nitrate - 7761-88-8	None Known	None Known	None Known	None Known
Potassium persulfate - 7727-21-1	None Known	None Known	None Known	None Known
Excipient -	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
Aromatic carboxylic acid salt (1-10)	Present	X	X	3-1076; 3-1272; 3-1293	X	KE-02711	X	X
Sodium bisulfate 7681-38-1 (1-10)	Present	X	X	1-83; 1-491; 1-501	X	KE-31481	X	X
Silver nitrate 7761-88-8 (5-10)	Present	X	X	1-8	X	KE-31281	X	X
Potassium persulfate 7727-21-1 (1-10)	Present	X	X	1-456	X	KE-12177	X	X
Excipient (75-85)	Present	X	X	ENCS	X	KE-17416	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 contains a chemical or 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 %
Aromatic carboxylic acid salt		1-10	None Known
Sodium bisulfate	7681-38-1	1-10	None Known
Silver nitrate	7761-88-8	5-10	1.0
Potassium persulfate	7727-21-1	1-10	None Known
Excipient		75-85	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated 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
Aromatic carboxylic acid salt (1-10)	None Known	None Known	None Known	None Known
Sodium bisulfate 7681-38-1 (1-10)	None Known	None Known	None Known	None Known
Silver nitrate 7761-88-8 (5-10)	1 lb	X	None Known	X
Potassium persulfate 7727-21-1 (1-10)	None Known	None Known	None Known	None Known
Excipient (75-85)	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
Aromatic carboxylic acid salt		1-10	None Known	None Known	None Known	None Known
Sodium bisulfate	7681-38-1	1-10	None Known	None Known	None Known	None Known
Silver nitrate	7761-88-8	5-10	None Known	None Known	None Known	None Known
Potassium persulfate	7727-21-1	1-10	None Known	None Known	None Known	None Known
Excipient		75-85	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Aromatic carboxylic acid salt	None Known	None Known
Sodium bisulfate	None Known	None Known
Silver nitrate	1 lb	None Known
Potassium persulfate	None Known	None Known
Excipient	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
Aromatic carboxylic acid salt		None Known
Sodium bisulfate	7681-38-1	None Known
Silver nitrate	7761-88-8	None Known
Potassium persulfate	7727-21-1	None Known
Excipient		None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Aromatic carboxylic acid salt	None Known	None Known	None Known	None Known	None Known
Sodium bisulfate	None Known	X	None Known	None Known	None Known
Silver nitrate	X	X	X	None Known	X
Potassium persulfate	X	X	X	None Known	X
Excipient	None Known	None Known	None Known	None Known	None Known

International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Aromatic carboxylic acid salt	None Known	None Known
Sodium bisulfate	None Known	None Known
Silver nitrate	None Known	Mexico: TWA= 0.01 mg/m ³
Potassium persulfate	None Known	None Known
Excipient	None Known	None Known

Canada

Component	WHMIS Hazard Class
Aromatic carboxylic acid salt (1-10)	Uncontrolled product according to WHMIS classification criteria
Sodium bisulfate 7681-38-1 (1-10)	1 % E
Silver nitrate 7761-88-8 (5-10)	1 % C E
Potassium persulfate 7727-21-1 (1-10)	0.1 % C D2A D2B
Excipient (75-85)	Uncontrolled product according to WHMIS classification criteria



Chemical Name	NPRI
Silver nitrate	X

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Fire Hazard</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">1</td> </tr> </table>	Health Hazard	2	Fire Hazard	0	Reactivity	1		
Health Hazard	2								
Fire Hazard	0								
Reactivity	1								

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 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