



Issuing Date 2/14/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name POTASSIUM TABLETS
Product Code(s) 5424
Synonyms none
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

Emergency Overview
Product dust may be irritating to eyes, skin and respiratory system
Appearance White
Physical State Tablet
Odor None

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

Acute Toxicity

Eyes Irritating to eyes.
Skin May cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion May cause irritation. May cause gastrointestinal discomfort if consumed in large amounts. Tablets are alkaline (pH 10) and swallowing a large quantity may cause gastrointestinal irritation and nausea.

Chronic Effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Excipient	-	<1
Aliphatic carboxylic acid	-	1-10
Borate(1-), tetraphenyl-, sodium	143-66-8	10-15
Chloride salt	-	20-30
Carbonate salt	-	25-35
Excipient	-	30-40

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5035p, and may be disclosed only in a medical emergency.

4. FIRST AID MEASURES

General Advice Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

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 off with soap and plenty of water removing all contaminated clothes and shoes. If irritation develops or persists, consult physician.

Inhalation Move to fresh air. Not an expected route of exposure.

Ingestion Drink plenty of water. Consult a physician.

Protection of First-aiders 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 Dry chemical, CO₂, water spray or alcohol-resistant 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 Avoid contact with skin, eyes, and clothing.

Methods for Containment Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal.

Methods for Cleaning Up If local regulations permit, dissolve and rinse to drain with excess water. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Do not eat, drink, or smoke when using this product.
Storage	Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Excipient	None Known	None Known	None Known
Aliphatic carboxylic acid	TWA: 5 mg/m ³	None Known	None Known
Borate(1-), tetraphenyl-, sodium 143-66-8	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known
Excipient	None Known	None Known	None Known

Engineering Measures
Showers
Eyewash stations
Ventilation systems.

Personal Protective Equipment
Eye/Face Protection Safety glasses with side-shields.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	None
Physical State	Tablet	pH	10 (1 tablet in 10mL of water)
Flash Point	Not applicable	Boiling Point/Range	No information available

Vapor Pressure	No information available	Vapor Density	No information available
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10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products Strong acids. Strong oxidizing agents.

Conditions to Avoid Moisture.

Hazardous Decomposition Products Carbon oxides (COx). Sodium oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Excipient	None Known	None Known	None Known
Aliphatic carboxylic acid	11 g/kg (Rat)	None Known	None Known
Borate(1-), tetraphenyl-, sodium	288 mg/kg (Rat)	None Known	None Known
Chloride salt	None Known	10 g/kg (Rabbit)	42 g/m ³ (Rat) 1 h
Carbonate salt	4090 mg/kg (Rat)	None Known	None Known
Excipient	10 g/kg (Rat)	None Known	None Known

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Excipient	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid	None Known	None Known	None Known	None Known
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Excipient	None Known	None Known	None Known
Aliphatic carboxylic acid	None Known	None Known	None Known
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Carbonate salt	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)
Excipient	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid	EC50 = 26.6 mg/L 96 h EC50 = 31.3 mg/L 72 h	LC50= 230 mg/L Leuciscus idus 96 h	EC50 = 81.9 mg/L 17 h	EC50 = 85.7 mg/L 48 h
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known
Chloride salt	None Known	LC50= 12948 mg/L Lepomis macrochirus 96 h LC50= 7650 mg/L Pimephales promelas 96 h LC50= 9675 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 1000 mg/L 48 h
Carbonate salt	EC50 = 242 mg/L 120 h	LC50= 300 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 265 mg/L 48 h
Excipient	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
Excipient	None Known
Aliphatic carboxylic acid	= 0.081 25 °C
Borate(1-), tetraphenyl-, sodium	None Known
Chloride salt	None Known
Carbonate salt	None Known
Excipient	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations. Dispose of contents/container in accordance with local regulation.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Excipient -	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid -	None Known	None Known	None Known	None Known
Borate(1-), tetraphenyl-, sodium - 143-66-8	None Known	None Known	None Known	None Known
Chloride salt -	None Known	None Known	None Known	None Known
Carbonate salt -	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
Excipient (<1)	TSCA	DSL	X	ENCS	IECSC	KECL	PICCS	AICS
Aliphatic carboxylic acid (1-10)	Present	X	X	2-858	X	KE-03754	X	X
Borate(1-), tetraphenyl-, sodium 143-66-8 (10-15)	Present	X	X	3-2553	X	KE-31629	X	X
Chloride salt (20-30)	Present	X	X	1-236	X	KE-31387	X	X
Carbonate salt (25-35)	Present	X	X	1-164	X	KE-31380	X	X
Excipient (30-40)	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 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 %
Excipient		<1	None Known
Aliphatic carboxylic acid		1-10	None Known
Borate(1-), tetraphenyl-, sodium	143-66-8	10-15	None Known
Chloride salt		20-30	None Known
Carbonate salt		25-35	None Known
Excipient		30-40	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

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Excipient (<1)	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid (1-10)	5000 lb	None Known	None Known	X
Borate(1-), tetraphenyl-, sodium 143-66-8 (10-15)	None Known	None Known	None Known	None Known
Chloride salt (20-30)	None Known	None Known	None Known	None Known
Carbonate salt (25-35)	None Known	None Known	None Known	None Known
Excipient (30-40)	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 HAPs.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Excipient		<1	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid		1-10	None Known	None Known	None Known	None Known
Borate(1-), tetraphenyl-, sodium	143-66-8	10-15	None Known	None Known	None Known	None Known
Chloride salt		20-30	None Known	None Known	None Known	None Known
Carbonate salt		25-35	None Known	None Known	None Known	None Known
Excipient		30-40	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Excipient	None Known	None Known
Aliphatic carboxylic acid	5000 lb	None Known
Borate(1-), tetraphenyl-, sodium	None Known	None Known
Chloride salt	None Known	None Known
Carbonate salt	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
Excipient		None Known
Aliphatic carboxylic acid		None Known
Borate(1-), tetraphenyl-, sodium	143-66-8	None Known
Chloride salt		None Known
Carbonate salt		None Known
Excipient		None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Excipient	None Known	None Known	None Known	None Known	None Known
Aliphatic carboxylic acid	X	X	X	None Known	X
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known	None Known
Carbonate salt	None Known	None Known	None Known	None Known	None Known
Excipient	None Known	None Known	None Known	None Known	None Known

International Regulations

Mexico - Grade

Chemical Name	Carcinogen Status	Exposure Limits
Excipient	None Known	None Known
Aliphatic carboxylic acid	None Known	None Known
Borate(1-), tetraphenyl-, sodium	None Known	None Known
Chloride salt	None Known	None Known

Carbonate salt	None Known	None Known
Excipient	None Known	None Known

Canada

Component	WHMIS Hazard Class
Excipient (<1)	Not determined
Aliphatic carboxylic acid (1-10)	1%
Borate(1-), tetraphenyl-, sodium 143-66-8 (10-15)	Not determined
Chloride salt (20-30)	Uncontrolled product according to WHMIS classification criteria
Carbonate salt (25-35)	1% D2B E
Excipient (30-40)	Uncontrolled product according to WHMIS classification criteria



16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
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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