

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	<b>Hardness ColorQ Testab</b>
<b>Product Code(s)</b>	3883
<b>Recommended Use</b>	Test kit reagent. Industrial (not for food or food contact use).
<b>Company</b>	LaMotte Company, Inc. 802 Washington Avenue P.O. Box 329 Chestertown, MD 21620 USA
<b>Emergency Telephone Number</b>	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 and circulatory problems  
May cause skin and eye irritation

**Appearance** Lavender**Physical State** 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** Skin and eye contact.

**Acute Toxicity**

**Eyes** May cause irritation.  
**Skin** May cause irritation.  
**Inhalation** Not an expected route of exposure.  
**Ingestion** Ingestion of large quantities may cause gastrointestinal irritation and circulatory problems.

**Chronic Effects** None known.

**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 carbonate	497-19-8	10-20
Boric acid	10043-35-3	10-20
Excipient/Filler	-	10-20
Citrate salt	-	20-30
Chloride salt	-	20-30

Ingredients not specifically listed by name are proprietary to the LaMotte Company, registered under the State of New Jersey Trade Secret protection law, assigned the NJTSRN#80100291-5105p, 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>	Immediately flush eyes with gentle stream of water for at least 15 minutes, occasionally lifting upper and lower eyelids. If irritation persists or develops, contact a physician.
<b>Skin Contact</b>	Wash off with warm water and soap. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Not expected to require first aid measures. Move to fresh air.
<b>Ingestion</b>	Drink plenty of water. Clean mouth with water. If gastrointestinal distress occurs contact physician. Consult a physician.
<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>Flash Point</b>	Not applicable			
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>Explosion Data</b>				
<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> 1	<b>Flammability</b> 0	<b>Stability</b> 0	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Refer to Section 8. Avoid contact with the skin and the eyes.
<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

<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 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 carbonate 497-19-8	None Known	None Known	None Known
Boric acid 10043-35-3	= 6 mg/m <sup>3</sup> STEL TWA: 2 mg/m <sup>3</sup>	None Known	None Known
Excipient/Filler	None Known	None Known	None Known
Citrate salt	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known

**Engineering Measures**

None under normal use conditions. For home use.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields.

**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  
Physical State**

Lavender  
Tablet

**Odor  
pH**

Odorless  
9.0 - 9.5 (1 tablet in 10mL of  
water)

**Flash Point  
Boiling Point/Range**

Not applicable  
No information available

**Autoignition Temperature  
Freezing Point**

Not applicable  
No information available

**Water Solubility**

Soluble in water

## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Incompatible Products**

None known based on information supplied.

**Conditions to Avoid**

Exposure to air or moisture over prolonged periods. Excessive heat.

**Hazardous Decomposition Products** None under normal use.

**Hazardous Polymerization**

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 carbonate	4090 mg/kg ( Rat )	None Known	None Known
Boric acid	2660 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	None Known
Excipient/Filler	10 g/kg ( Rat )	None Known	None Known
Citrate salt	None Known	None Known	None Known
Chloride salt	2600 mg/kg ( Rat )	None Known	None Known

**Chronic Toxicity**

**Chronic Toxicity** None known.

Chemical Name	ACGIH	IARC	NTP	OSHA
Aromatic carboxylic acid salt	None Known	None Known	None Known	None Known
Sodium carbonate	None Known	None Known	None Known	None Known
Boric acid	None Known	None Known	None Known	None Known
Excipient/Filler	None Known	None Known	None Known	None Known
Citrate salt	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known

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 carbonate	None Known	None Known	None Known
Boric acid	None Known	None Known	None Known
Excipient/Filler	None Known	None Known	None Known
Citrate salt	None Known	None Known	None Known
Chloride salt	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 carbonate	EC50 = 242 mg/L 120 h	LC50= 300 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 265 mg/L 48 h
Boric acid	None Known	None Known	None Known	EC50 658 - 875 mg/L 48 h EC50 = 115.0 mg/L 48 h
Excipient/Filler	None Known	None Known	None Known	None Known
Citrate salt	EC50 1800 - 3200 mg/L 96 h	LC50= 18000 mg/L Poecilia reticulata 96 h	None Known	None Known
Chloride salt	EC50 = 2500 mg/L 72 h	LC50= 2010 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 825 mg/L 48 h

**Persistence and Degradability** No information available.

Chemical Name	Log Pow
Aromatic carboxylic acid salt	= -2.13
Sodium carbonate	None Known
Boric acid	= -0.757 25 °C
Excipient/Filler	None Known
Citrate salt	None Known
Chloride salt	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	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 carbonate - 497-19-8	None Known	None Known	None Known	None Known
Boric acid - 10043-35-3	None Known	None Known	None Known	None Known
Excipient/Filler -	None Known	None Known	None Known	None Known
Citrate salt -	None Known	None Known	None Known	None Known
Chloride salt -	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 carbonate 497-19-8 ( 10-20 )	Present	X	X	1-164	X	KE-31380	X	X
Boric acid 10043-35-3 ( 10-20 )	Present	X	X	1-63	X	KE-03499	X	X
Excipient/Filler ( 10-20 )	Present	X	X	ENCS	X	KE-17416	X	X
Citrate salt ( 20-30 )	TSCA	DSL	EINECS/ELINCS	ENCS	X	KECL	X	X
Chloride salt ( 20-30 )	Present	X	X	1-228	X	KE-29086	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 %
Aromatic carboxylic acid salt		1-10	None Known
Sodium carbonate	497-19-8	10-20	None Known
Boric acid	10043-35-3	10-20	None Known
Excipient/Filler		10-20	None Known
Citrate salt		20-30	None Known
Chloride salt		20-30	None Known

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No

**Sudden Release of Pressure Hazard  
Reactive Hazard**No  
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
Aromatic carboxylic acid salt ( 1-10 )	None Known	None Known	None Known	None Known
Sodium carbonate 497-19-8 ( 10-20 )	None Known	None Known	None Known	None Known
Boric acid 10043-35-3 ( 10-20 )	None Known	None Known	None Known	None Known
Excipient/Filler ( 10-20 )	None Known	None Known	None Known	None Known
Citrate salt ( 20-30 )	None Known	None Known	None Known	None Known
Chloride salt ( 20-30 )	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 carbonate	497-19-8	10-20	None Known	None Known	None Known	None Known
Boric acid	10043-35-3	10-20	None Known	None Known	None Known	None Known
Excipient/Filler		10-20	None Known	None Known	None Known	None Known
Citrate salt		20-30	None Known	None Known	None Known	None Known
Chloride salt		20-30	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 carbonate	None Known	None Known
Boric acid	None Known	None Known
Excipient/Filler	None Known	None Known
Citrate salt	None Known	None Known
Chloride salt	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 carbonate	497-19-8	None Known
Boric acid	10043-35-3	None Known
Excipient/Filler		None Known
Citrate salt		None Known
Chloride salt		None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Aromatic carboxylic acid salt	None Known	None Known	None Known	None Known	None Known
Sodium carbonate	None Known	None Known	None Known	None Known	None Known
Boric acid	None Known	X	None Known	None Known	None Known

Excipient/Filler	None Known				
Citrate salt	None Known				
Chloride salt	None Known				

**International Regulations**

**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Aromatic carboxylic acid salt	None Known	None Known
Sodium carbonate	None Known	None Known
Boric acid	None Known	None Known
Excipient/Filler	None Known	None Known
Citrate salt	None Known	None Known
Chloride salt	None Known	None Known

**Canada**

Component	WHMIS Hazard Class
Aromatic carboxylic acid salt ( 1-10 )	Uncontrolled product according to WHMIS classification criteria
Sodium carbonate 497-19-8 ( 10-20 )	1 % D2B E
Boric acid 10043-35-3 ( 10-20 )	1 % D2A
Excipient/Filler ( 10-20 )	Uncontrolled product according to WHMIS classification criteria
Citrate salt ( 20-30 )	Uncontrolled product according to WHMIS classification criteria
Chloride salt ( 20-30 )	Uncontrolled product according to WHMIS classification criteria



**16. OTHER INFORMATION**

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <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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 Disclaimer:

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**End of MSDS**