

Issuing Date 2/23/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	NITRATE #1 TABLET
Product Code(s)	2799
Synonyms	none / ninguno / aucun
Recommended Use	Test kit reagent. 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**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

May cause skin and eye irritation

Appearance White**Physical State** Tablet, ~0.1g (100mg)**Odor** Odorless**Potential Health Effects****Principle Routes of Exposure** Skin contact, Ingestion.**Acute Toxicity****Eyes** May cause irritation.**Skin** May cause irritation.**Inhalation** May cause irritation of respiratory tract.**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.**Chronic Effects**

None known

Aggravated Medical Conditions Hypersensitivity may occur in those with preexisting skin disorders.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Excipient	-	<0.5
Nonionic polymer	-	<1
Carboxylic acid	-	1-5
Sulfamic acid	5329-14-6	1-10
Chloride salt	-	40-50
Diluent	-	40-50

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5011p, 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. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists or develops, contact a physician.
Skin Contact	Wash off with warm water and soap. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. If more than a few tablets have been swallowed contact physician. If symptoms persist or develop contact physician. 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 (CO ₂), or foam.			
Explosion Data				
NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards N/A
HMIS	Health Hazard 1	Flammability 0	Stability 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal.
Methods for Cleaning Up	Avoid dust formation. Containerize spill material and hold for later disposal. If local regulations permit, dissolve with large volume of water, neutralize with alkaline material (sodium bicarbonate), then rinse to drain with excess water. 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, moisture, and incompatibles. 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
Nonionic polymer	None Known	None Known	None Known
Carboxylic acid	None Known	None Known	None Known
Sulfamic acid 5329-14-6	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Diluent	None Known	None Known	None Known

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Protective 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	White	Odor	Odorless
Physical State	Tablet, ~0.1g (100mg)	pH	2.5 (1 tablet in 10mL of water)
Flash Point	Not applicable	Boiling Point/Range	No information available
Freezing Point	No information available		

Explosion Limits Not applicable

Molecular Weight No data available **Water Solubility** Soluble in water

10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products Strong oxidizing agents.

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

Hazardous Decomposition Products Sulfur oxides (SO_x). Carbon oxides (CO_x).

Hazardous Polymerization 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	LD50 Oral	LD50 Dermal	LC50 Inhalation
Excipient	None Known	None Known	None Known
Nonionic polymer	100 g/kg (Rat)	None Known	None Known
Carboxylic acid	None Known	None Known	None Known
Sulfamic acid	1450 mg/kg (Rat)	None Known	None Known
Chloride salt	2600 mg/kg (Rat)	None Known	None Known
Diluent	10 g/kg (Rat)	None Known	None Known

Chronic Toxicity

Chronic Toxicity None known.

Chemical Name	ACGIH	IARC	NTP	OSHA
Excipient	None Known	None Known	None Known	None Known
Nonionic polymer	None Known	None Known	None Known	None Known
Carboxylic acid	None Known	None Known	None Known	None Known
Sulfamic acid	None Known	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known
Diluent	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
Excipient	None Known	None Known	None Known
Nonionic polymer	None Known	None Known	None Known
Carboxylic acid	None Known	None Known	None Known
Sulfamic acid	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known
Diluent	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
Nonionic polymer	None Known	None Known	None Known	None Known
Carboxylic acid	None Known	None Known	None Known	None Known
Sulfamic acid	None Known	LC50= 70.3 mg/L Pimephales promelas 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
Diluent	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
Excipient	None Known
Nonionic polymer	None Known
Carboxylic acid	None Known
Sulfamic acid	None Known
Chloride salt	None Known
Diluent	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose according to federal, state, and local regulations. If permitted, dissolve in large volume of water, neutralize pH with dilute base, rinse to drain with excess water.

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
Excipient -	None Known	None Known	None Known	None Known
Nonionic polymer -	None Known	None Known	None Known	None Known
Carboxylic acid -	None Known	None Known	None Known	None Known
Sulfamic acid - 5329-14-6	None Known	None Known	None Known	None Known
Chloride salt -	None Known	None Known	None Known	None Known
Diluent -	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 (<0.5)	TSCA	DSL	X	ENCS	IECSC	KECL	PICCS	AICS
Nonionic polymer (<1)	XU	X	EINECS/ELINCS	6-1007; 6-1048	X	KE-13324	X	X
Carboxylic acid (1-5)	XU	X	EINECS/ELINCS	6-902	X	KE-25266	X	X
Sulfamic acid 5329-14-6 (1-10)	Present	X	X	1-402	X	KE-32336	X	X
Chloride salt (40-50)	Present	X	X	1-228	X	KE-29086	X	X
Diluent (40-50)	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		<0.5	None Known
Nonionic polymer		<1	None Known
Carboxylic acid		1-5	None Known
Sulfamic acid	5329-14-6	1-10	None Known
Chloride salt		40-50	None Known
Diluent		40-50	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 (<0.5)	None Known	None Known	None Known	None Known
Nonionic polymer (<1)	None Known	None Known	None Known	None Known
Carboxylic acid (1-5)	None Known	None Known	None Known	None Known
Sulfamic acid 5329-14-6 (1-10)	None Known	None Known	None Known	None Known
Chloride salt (40-50)	None Known	None Known	None Known	None Known
Diluent (40-50)	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		<0.5	None Known	None Known	None Known	None Known
Nonionic polymer		<1	None Known	None Known	None Known	None Known
Carboxylic acid		1-5	None Known	None Known	None Known	None Known
Sulfamic acid	5329-14-6	1-10	None Known	None Known	None Known	None Known
Chloride salt		40-50	None Known	None Known	None Known	None Known
Diluent		40-50	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Excipient	None Known	None Known
Nonionic polymer	None Known	None Known
Carboxylic acid	None Known	None Known
Sulfamic acid	None Known	None Known
Chloride salt	None Known	None Known
Diluent	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
Nonionic polymer		None Known
Carboxylic acid		None Known
Sulfamic acid	5329-14-6	None Known
Chloride salt		None Known
Diluent		None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Excipient	None Known	None Known	None Known	None Known	None Known
Nonionic polymer	None Known	None Known	None Known	None Known	None Known
Carboxylic acid	None Known	None Known	None Known	None Known	None Known
Sulfamic acid	None Known	X	None Known	None Known	None Known
Chloride salt	None Known	None Known	None Known	None Known	None Known
Diluent	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
Nonionic polymer	None Known	None Known
Carboxylic acid	None Known	None Known
Sulfamic acid	None Known	None Known

Chloride salt	None Known	None Known
Diluent	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	WHMIS Hazard Class
Excipient (<0.5)	Not determined
Nonionic polymer (<1)	Uncontrolled product according to WHMIS classification criteria
Carboxylic acid (1-5)	Not determined
Sulfamic acid 5329-14-6 (1-10)	1 % E
Chloride salt (40-50)	Uncontrolled product according to WHMIS classification criteria
Diluent (40-50)	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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Revision Note
Initial Release

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

