



Issuing Date 10/20/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Dissolved Oxygen Test Tablet
Product Code(s) 3976
Synonyms none / ninguno / aucun
Recommended 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

Harmful if swallowed

May stain skin

Appearance Gray

Physical State Solid, Tablet

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, Inhalation

Acute Toxicity
Eyes May cause irritation.
Skin May cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Harmful if swallowed.

Chronic Effects
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 %
2,4-Diaminophenol dihydrochloride	137-09-7	0.1
Sodium citrate, dihydrate	6132-04-3	25

Excipients	0-0-0000	to 100
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Ingredients not listed by name are proprietary to LaMotte Company, registered under the State of New Jersey Trade Secret Protection Law, assigned the NJ Trade Secret Registry # 80100291-5036p, 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 thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If irritation develops or persists, consult physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and contact emergency personnel.
Ingestion	Drink plenty of water. Clean mouth with water. Never give anything by mouth to an unconscious person. Consult a physician. If more than a few tablets have been swallowed, induce vomiting and contact physician.
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.
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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Cleaning Up	Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. If local regulations permits small amounts (<50 tablets), dissolve and rinse to drain with excess 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
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2,4-Diaminophenol dihydrochloride 137-09-7	None Known	None Known	None Known
Sodium citrate, dihydrate 6132-04-3	None Known	None Known	None Known
Excipients 0-0-0000	None Known	None Known	None Known

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields. Avoid contact with eyes.

Skin and Body Protection

Gloves & Lab Coat.

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	Gray	Odor	Odorless
Physical State	Solid, Tablet	pH	8 (2 tablets in 4.8mL of water)
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	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 Reactions	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2,4-Diaminophenol dihydrochloride	240 mg/kg (Rat)	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known	None Known
Excipients	None Known	None Known	None Known

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
2,4-Diaminophenol dihydrochloride	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known	None Known	None Known
Excipients	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information

2,4-Diaminophenol dihydrochloride	None Known	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known	None Known
Excipients	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
2,4-Diaminophenol dihydrochloride	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	EC50 1800 - 3200 mg/L 96 h	LC50= 18000 mg/L Poecilia reticulata 96 h	None Known	None Known
Excipients	None Known	None Known	None Known	None Known

Chemical Name	Log Pow
2,4-Diaminophenol dihydrochloride	None Known
Sodium citrate, dihydrate	None Known
Excipients	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
2,4-Diaminophenol dihydrochloride - 137-09-7
Sodium citrate, dihydrate - 6132-04-3
Excipients - 0-0-0000

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
2,4-Diaminophenol dihydrochloride - 137-09-7	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate - 6132-04-3	None Known	None Known	None Known	None Known
Excipients - 0-0-0000	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
2,4-Diaminophenol dihydrochloride 137-09-7 (0.1)	Present	X	X	3-2772	X	KECL	X	X

Sodium citrate, dihydrate 6132-04-3 (25)	TSCA	DSL	EINECS/ELINCS	ENCS	X	KECL	X	X
Excipients 0-0-0000 (to 100)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS

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 %
2,4-Diaminophenol dihydrochloride	137-09-7	0.1	None Known
Sodium citrate, dihydrate	6132-04-3	25	None Known
Excipients	0-0-0000	to 100	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

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
2,4-Diaminophenol dihydrochloride 137-09-7 (0.1)	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate 6132-04-3 (25)	None Known	None Known	None Known	None Known
Excipients 0-0-0000 (to 100)	None Known	None Known	None Known	None Known

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
2,4-Diaminophenol dihydrochloride	137-09-7	0.1	None Known	Group V	None Known	None Known
Sodium citrate, dihydrate	6132-04-3	25	None Known	None Known	None Known	None Known
Excipients	0-0-0000	to 100	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
2,4-Diaminophenol dihydrochloride	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known
Excipients	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
2,4-Diaminophenol dihydrochloride	137-09-7	None Known

Sodium citrate, dihydrate	6132-04-3	None Known
Excipients	0-0-0000	None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
2,4-Diaminophenol dihydrochloride	None Known	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known	None Known	None Known	None Known
Excipients	None Known	None Known	None Known	None Known	None Known

International Regulations

Mexico - Grade No information available



Chemical Name	Carcinogen Status	Exposure Limits
2,4-Diaminophenol dihydrochloride	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known
Excipients	None Known	None Known

Canada

WHMIS Hazard Class

Not subject to WHMIS classification

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		Not regulated
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department

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Revision Note (M)SDS sections updated. 9.

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

