



Issuing Date 4/3/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DPD 1A Free Chlorine Test Reagent

Product Code(s) 6740

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**

Appearance Clear, Colorless **Physical State** Liquid **Odor** None

May cause skin and eye irritation

OSHA Regulatory Status Safety information is given for exposure to the reagent as sold and considers exposure to the chemical if user has direct eye and skin contact.

Potential Health Effects

Principle Routes of Exposure Ingestion, and, Skin contact.

Acute Toxicity

Eyes May cause irritation.

Skin Substance may cause slight skin irritation.

Inhalation Not an expected route of exposure.

Ingestion May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects

May sequester calcium and cause calcium phosphate deposits in the kidneys

Aggravated Medical Conditions Those with impaired kidney function may be more susceptible to the effects of this substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
EDTA disodium salt, dihydrate	6381-92-6	<0.1
Sodium carbonate	497-19-8	<1.0
Dipotassium phosphate	7758-11-4	10-20
Water	7732-18-5	to 100%

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. If irritation persists or develops, contact a physician.
Skin Contact	Wash off immediately with soap and plenty of water. If irritation develops or persists, consult physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Clean mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist or develop contact physician.
Notes to Physician	Treat symptomatically.
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

Flash Point	Not applicable			
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.			
Explosion Data				
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.			
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	Refer to Section 8. Avoid contact with skin, eyes, and clothing.
Methods for Containment	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose according to federal, state, and local regulations.
Methods for Cleaning Up	Use personal protective equipment. Containerize spill material and hold for later disposal. If local regulations permit, dissolve with large volume of water, neutralize with dilute acid (acetic, hydrochloric), 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 out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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EDTA disodium salt, dihydrate 6381-92-6	None Known	None Known	None Known
Sodium carbonate 497-19-8	None Known	None Known	None Known
Dipotassium phosphate 7758-11-4	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields. Goggles.

Skin and Body Protection

Wear protective gloves/clothing.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colorless	Odor	None
Physical State	Liquid	pH	10
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	> 100°C/212°F	Freezing Point	No information available

Vapor Pressure	<17 mmHg @ 20°C	Vapor Density	<1(Air = 1)
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10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use and storage.
Incompatible Products	No materials to be especially mentioned.
Conditions to Avoid	Excessive heat.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions - . Phosphorous oxides.
Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
EDTA disodium salt, dihydrate	None Known	None Known	None Known
Sodium carbonate	4090 mg/kg (Rat)	None Known	None Known
Dipotassium phosphate	None Known	None Known	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity

Chronic Toxicity	May sequester calcium and cause calcium phosphate deposits in the kidneys.
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Carcinogenicity	Contains no ingredient listed as a carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
EDTA disodium salt, dihydrate	None Known	None Known	None Known	None Known
Sodium carbonate	None Known	None Known	None Known	None Known
Dipotassium phosphate	None Known	None Known	None Known	None Known
Water	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
EDTA disodium salt, dihydrate	None Known	None Known	None Known
Sodium carbonate	None Known	None Known	None Known
Dipotassium phosphate	None Known	None Known	None Known
Water	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
EDTA disodium salt, dihydrate	None Known	None Known	None Known	None Known
Sodium carbonate	EC50 = 242 mg/L 120 h	LC50= 300 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 265 mg/L 48 h
Dipotassium phosphate	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical Name	Log Pow
EDTA disodium salt, dihydrate	None Known
Sodium carbonate	None Known
Dipotassium phosphate	None Known
Water	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method 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
EDTA disodium salt, dihydrate - 6381-92-6	None Known	None Known	None Known	None Known
Sodium carbonate - 497-19-8	None Known	None Known	None Known	None Known
Dipotassium phosphate - 7758-11-4	None Known	None Known	None Known	None Known
Water - 7732-18-5	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
EDTA disodium salt, dihydrate 6381-92-6 (<0.1)	TSCA	X	EINECS/ELINCS	2-1265	X	KECL	X	X
Sodium carbonate 497-19-8 (<1.0)	Present	X	X	1-164	X	KE-31380	X	X
Dipotassium phosphate 7758-11-4 (10-20)	Present	X	X	1-452	X	KE-12167	X	X
Water 7732-18-5 (to 100%)	Present	X	X	ENCS	X	KE-35400	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 %
EDTA disodium salt, dihydrate	6381-92-6	<0.1	None Known
Sodium carbonate	497-19-8	<1.0	None Known
Dipotassium phosphate	7758-11-4	10-20	None Known
Water	7732-18-5	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
EDTA disodium salt, dihydrate 6381-92-6 (<0.1)	None Known	None Known	None Known	None Known
Sodium carbonate 497-19-8 (<1.0)	None Known	None Known	None Known	None Known
Dipotassium phosphate 7758-11-4 (10-20)	None Known	None Known	None Known	None Known
Water 7732-18-5 (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 Depleters	Class 2 Ozone Depleters
EDTA disodium salt, dihydrate	6381-92-6	<0.1	None Known	None Known	None Known	None Known
Sodium carbonate	497-19-8	<1.0	None Known	None Known	None Known	None Known
Dipotassium phosphate	7758-11-4	10-20	None Known	None Known	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
EDTA disodium salt, dihydrate	None Known	None Known
Sodium carbonate	None Known	None Known
Dipotassium phosphate	None Known	None Known
Water	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
EDTA disodium salt, dihydrate	6381-92-6	None Known
Sodium carbonate	497-19-8	None Known
Dipotassium phosphate	7758-11-4	None Known
Water	7732-18-5	None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
EDTA disodium salt, dihydrate	None Known	None Known	None Known	None Known	None Known
Sodium carbonate	None Known	None Known	None Known	None Known	None Known
Dipotassium phosphate	None Known	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
EDTA disodium salt, dihydrate	None Known	None Known
Sodium carbonate	None Known	None Known
Dipotassium phosphate	None Known	None Known
Water	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
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EDTA disodium salt, dihydrate 6381-92-6 (<0.1)	Uncontrolled product according to WHMIS classification criteria
Sodium carbonate 497-19-8 (<1.0)	1 % D2B E
Dipotassium phosphate 7758-11-4 (10-20)	Uncontrolled product according to WHMIS classification criteria
Water 7732-18-5 (to 100%)	Uncontrolled product according to WHMIS classification criteria

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table><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

Issuing Date

4/3/2012

Revision Date

20-Apr-2012

Revision Note

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