



Issuing Date 4/27/2011

Revision date 12/23/2013

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name DPD #3 TABLET
Product Code(s) 6197
Synonyms none / ninguno / aucun
Recommended Use Test kit reagent. Laboratory chemicals. 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
Large oral doses may cause gastrointestinal irritation
May cause skin and eye irritation
Appearance white **Physical state** solid, 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 Ingestion.

Acute toxicity
Eyes No adverse effects expected from eye contact, but may cause irritation and redness.
Skin Not expected to be a health hazard from skin contact. May cause slight irritation.
Inhalation Not an expected route of exposure.
Ingestion May be harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.

Chronic effects
Aggravated Medical Conditions None known.

Environmental hazard No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro -, monosodium salt	1787-61-7	<1
Glidant	-	<1
Resin	-	1-5
Sodium borate	1330-43-4	3.7
Aromatic carboxylic acid salt	-	1-5
Polyamino carboxylic acid	-	5-10
Carbonate salt	-	10-15
Excipient	-	20-25
Potassium chloride	7447-40-7	40-45

LaMotte Company proprietary formulation under the State of New Jersey Trade Secret Protection Law, assigned the NJTSRN 80100291-5074p, 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. 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	Not an expected route of exposure.
Ingestion	Drink plenty of water. Clean mouth with water. If more than a few tablets have been swallowed 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

Flammable properties	Not a fire hazard.
Flash point	Not Applicable
Suitable extinguishing media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.

NFPA	Health hazard 0	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. None required for material as supplied.
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Methods for containment Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal. Dispose according to local regulations, if permitted dissolve in water and rinse to drain.

Methods for cleaning up After cleaning, flush away traces with water. If local regulations permit, 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 direct sunlight. Protect from moisture. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt 1787-61-7	None known	None known	None known
Glidant	TWA: 10 mg/m ³	None known	None known
Resin	None known	None known	None known
Sodium borate 1330-43-4	6 mg/m ³ STEL (inhalable fraction, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable fraction) TWA: 2 mg/m ³	None known	TWA: 1 mg/m ³
Aromatic carboxylic acid salt	None known	None known	None known
Polyamino carboxylic acid	None known	None known	None known
Carbonate salt	None known	None known	None known
Excipient	None known	None known	None known
Potassium chloride 7447-40-7	None known	None known	None known

Engineering Measures None under normal use conditions.

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 Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white	Odor	odorless
Physical state	solid, tablet	pH	7 (1 tablet in 10mL of water)
Flash point	Not Applicable	Autoignition temperature	Not Applicable
Boiling Point/Range	Not Applicable	Flammability Limits in Air	Not Applicable
Explosion Limits	Not Applicable		

Specific gravity	No data available	Molecular weight	no data available
Water solubility	Soluble in water	solubility	Soluble
Vapor pressure	No information available	Vapor density	No information available

10. STABILITY AND REACTIVITY

Stability	Stable.
Incompatible Products	Strong acids. Reducing agents.
Conditions to avoid	Exposure to air or moisture over prolonged periods. Exposure to light. Excessive heat.
Hazardous decomposition products	Hydrogen iodide. Iodine.
Hazardous Reactions	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	17590 mg/kg (Rat)	3000 mg/kg (Rabbit)	2 mg/L (Rat) 4 h
Glidant	None known	None known	None known
Resin	None known	None known	None known
Sodium borate	2403 mg/kg (Rat)	2000 mg/kg (Rabbit)	None known
Aromatic carboxylic acid salt	2100 mg/kg (Rat)	None known	None known
Polyamino carboxylic acid	2 g/kg (Rat)	None known	None known
Carbonate salt	4090 mg/kg (Rat)	None known	2300 mg/m ³ (Rat) 2 h
Excipient	10 g/kg (Rat)	None known	None known
Potassium chloride	2600 mg/kg (Rat)	None known	None known

Chronic toxicity

Chemical name	ACGIH	IARC	NTP	OSHA
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known	None known	None known	None known
Glidant	None known	None known	None known	None known
Resin	None known	None known	None known	None known
Sodium borate	None known	None known	None known	None known
Aromatic carboxylic acid salt	None known	None known	None known	None known
Polyamino carboxylic acid	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
Potassium chloride	None known	None known	None known	None known

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine disrupting potential
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known	None known	None known
Glidant	None known	None known	None known
Resin	None known	None known	None known
Sodium borate	None known	None known	None known
Aromatic carboxylic acid salt	None known	None known	None known
Polyamino carboxylic acid	None known	None known	None known
Carbonate salt	None known	None known	None known

Excipient	None known	None known	None known
Potassium chloride	None known	None known	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	EC50 = 0.094 mg/L 72 h	LC50= 12.3 mg/L Brachydanio rerio 96 h LC50= 7.3 mg/L Oncorhynchus mykiss 96 h LC50= 6 mg/L Pimephales promelas 96 h	None known	EC50 = 41.3 mg/L 48 h
Glidant	None known	None known	None known	None known
Resin	None known	None known	None known	None known
Sodium borate	EC50 = 158 mg/L 96 h EC50 2.6 - 21.8 mg/L 96 h	LC50= 340 mg/L Limanda limanda 96 h	None known	LC50 1085 - 1402 mg/L 48 h
Aromatic carboxylic acid salt	None known	LC50 420 - 558 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
Polyamino carboxylic acid	None known	LC50= 320 mg/L Poecilia reticulata 96 h	EC50 = 56 mg/L 8 h	None known
Carbonate salt	None known	LC50= 300 mg/L Lepomis macrochirus 96 h LC50 310 - 1220 mg/L Pimephales promelas 96 h	None known	EC50 = 265 mg/L 48 h
Excipient	None known	None known	None known	None known
Potassium chloride	EC50 = 2500 mg/L 72 h	LC50= 1060 mg/L Lepomis macrochirus 96 h LC50 750 - 1020 mg/L Pimephales promelas 96 h	None known	EC50 = 825 mg/L 48 h

Persistence and degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical name	Log Pow
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known
Glidant	None known
Resin	None known
Sodium borate	None known
Aromatic carboxylic acid salt	= -2.13
Polyamino carboxylic acid	None known
Carbonate salt	None known
Excipient	None known
Potassium chloride	None known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose according to federal, state, and local regulations. If permitted, dissolve in large volume of water and 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

1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt - 1787-61-7	None known	None known	None known	None known
Glidant -	None known	None known	None known	None known
Resin -	None known	None known	None known	None known
Sodium borate - 1330-43-4	None known	None known	None known	None known
Aromatic carboxylic acid salt -	None known	None known	None known	None known
Polyamino carboxylic acid -	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
Potassium chloride - 7447-40-7	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
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt 1787-61-7 (<1)	Present	X	X	Present	X	KE-31496	X	X
Glidant (<1)	Present	X	X	Present	X	KE-26390	X	X
Resin (1-5)	Present	X	EINECS/ELINCS	Present	X	KE-25266	X	X
Sodium borate 1330-43-4 (3.7)	Present	X	X	Present	X	KE-12384	X	X
Aromatic carboxylic acid salt (1-5)	Present	X	X	Present	X	KE-02711	X	X
Polyamino carboxylic acid (5-10)	Present	X	X	Present	X	KE-13651	X	X
Carbonate salt (10-15)	Present	X	X	Present	X	KE-31380	X	X
Excipient (20-25)	Present	X	X	ENCS	X	KE-17416	X	X
Potassium chloride 7447-40-7 (40-45)	Present	X	X	Present	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 %
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	1787-61-7	<1	None known
Glidant		<1	None known
Resin		1-5	None known
Sodium borate	1330-43-4	3.7	None known
Aromatic carboxylic acid salt		1-5	None known
Polyamino carboxylic acid		5-10	None known
Carbonate salt		10-15	None known
Excipient		20-25	None known
Potassium chloride	7447-40-7	40-45	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
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt 1787-61-7 (<1)	None known	None known	None known	None known
Glidant (<1)	None known	None known	None known	None known
Resin (1-5)	None known	None known	None known	None known
Sodium borate 1330-43-4 (3.7)	None known	None known	None known	None known
Aromatic carboxylic acid salt (1-5)	None known	None known	None known	None known
Polyamino carboxylic acid (5-10)	None known	None known	None known	None known
Carbonate salt (10-15)	None known	None known	None known	None known
Excipient (20-25)	None known	None known	None known	None known
Potassium chloride 7447-40-7 (40-45)	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
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	1787-61-7	<1	None known	None known	None known	None known
Glidant		<1	None known	None known	None known	None known
Resin		1-5	None known	None known	None known	None known
Sodium borate	1330-43-4	3.7	None known	None known	None known	None known
Aromatic carboxylic acid salt		1-5	None known	None known	None known	None known

Polyamino carboxylic acid		5-10	None known	None known	None known	None known
Carbonate salt		10-15	None known	None known	None known	None known
Excipient		20-25	None known	None known	None known	None known
Potassium chloride	7447-40-7	40-45	None known	None known	None known	None known

CERCLA

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known	None known
Glidant	None known	None known
Resin	None known	None known
Sodium borate	None known	None known
Aromatic carboxylic acid salt	None known	None known
Polyamino carboxylic acid	None known	None known
Carbonate salt	None known	None known
Excipient	None known	None known
Potassium chloride	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
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	1787-61-7	None known
Glidant		None known
Resin		None known
Sodium borate	1330-43-4	None known
Aromatic carboxylic acid salt		None known
Polyamino carboxylic acid		None known
Carbonate salt		None known
Excipient		None known
Potassium chloride	7447-40-7	None known

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known	None known	None known	None known	None known
Glidant	None known	None known	None known	None known	None known
Resin	None known	None known	None known	None known	None known
Sodium borate	X	None known	X	None known	None known
Aromatic carboxylic acid salt	None known	None known	None known	None known	None known
Polyamino carboxylic acid	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
Potassium chloride	None known	None known	None known	None known	None known

International Regulations**Mexico - Grade**

Chemical name	Carcinogen Status	Exposure Limits
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt	None known	None known
Glidant	None known	None known
Resin	None known	None known

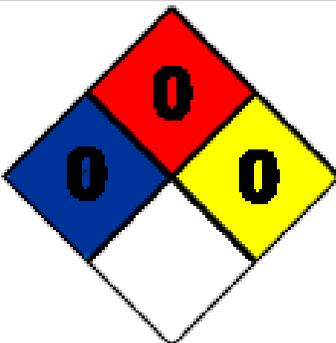
Sodium borate	None known	Mexico: TWA 1 mg/m ³
Aromatic carboxylic acid salt	None known	None known
Polyamino carboxylic acid	None known	None known
Carbonate salt	None known	None known
Excipient	None known	None known
Potassium chloride	None known	None known

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
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-, monosodium salt 1787-61-7 (<1)	Uncontrolled product according to WHMIS classification criteria
Glidant (<1)	Not Determined
Resin (1-5)	Not Determined
Sodium borate 1330-43-4 (3.7)	1 %
Aromatic carboxylic acid salt (1-5)	Uncontrolled product according to WHMIS classification criteria
Polyamino carboxylic acid (5-10)	Uncontrolled product according to WHMIS classification criteria
Carbonate salt (10-15)	1 % D2B,E
Excipient (20-25)	Uncontrolled product according to WHMIS classification criteria
Potassium chloride 7447-40-7 (40-45)	Uncontrolled product according to WHMIS classification criteria

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1" style="margin: auto;"> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center; font-weight: bold;">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	4/27/2011
Revision date	23-Dec-2013
Revision note	MSDS was reviewed per Canada request - Canada requires MSDS to be dated within 3 years of the request.

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