

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Code(s) 6999A
Product name DPD 1R Tablet

Synonyms none
Substance or Preparation Preparation
Contains Boric acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Test kit reagent for water testing
Laboratory chemicals
Research and Development
Professional users

1.3. Details of the supplier of the safety data sheet

Manufacturer LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620
USA

Contact for timely inquiries in regards to this product:

Person Regulatory Affairs Department
E-mail address msds@lamotte.com

1.4. 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

Section 2: HAZARD IDENTIFICATION**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Reproductive toxicity	Category 1B - (H360)
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Classification according to Directive 67/548/EEC or 1999/45/EC
For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s)

T - Toxic

R-code(s)

Repr. cat. 2;R60 - Repr. cat. 2;R61 - Xn;R22

2.2. Label elements

Product identifier
Contains Boric acid



Signal word
DANGER

Hazard statements

H360 - May damage fertility or the unborn child.
EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use. P281 - Use personal protective equipment as required. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P202 - Do not handle until all safety precautions have been read and understood.

2.3. Other hazards

Other Hazards May be harmful if swallowed
May be harmful if swallowed
May be irritating to eyes, respiratory system and skin

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name	EC No	CAS No	Weight-%	Classification	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No
Excipient	Listed	-	1-10	-	No data available	-
Boric acid	EEC No. Present	10043-35-3	9	Repr.Cat.2; R60-61	Repr. 1B (H360FD)	-

For the full text of the R phrases mentioned in this Section, see Section 16

Full text of H- and EUH-phrases: see section 16

NOTE

Ingredients not listed by name are proprietary to the manufacturer and may be disclosed only in a medical emergency

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Do not get in eyes, on skin, or on clothing.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion	Induce vomiting, but only if victim is fully conscious. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protection recommended in Section 8.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician	May cause sensitization of susceptible persons. Treat symptomatically.
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Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

See section 8. Use personal protective equipment.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent dust cloud. 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

Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

6.4. Reference to other sections

Pick up and transfer to properly labelled containers.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not taste or swallow. Do not eat, drink, or smoke when using this product.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical name	Eu	The United Kingdom	France	Spain	Germany
Excipient	Not Established	STEL: 12 mg/m ³ STEL: 20 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 1 mg/m ³	VLA-ED: 10 mg/m ³ VLA-ED	-
Boric acid 10043-35-3	Not Established	Not Established	Not Established	-	TWA: 10 mg/m ³ Ceiling / Peak: 10 mg/m ³ TWA: 0.5 mg/m ³
Chemical name	Italy	Portugal	The Netherlands	Finland	Denmark
Excipient	-	TWA: 10 mg/m ³	-	Not Established	Not Established
Boric acid 10043-35-3	-	STEL: 6 mg/m ³ TWA: 2 mg/m ³	-	Not Established	Not Established
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Excipient	-	Not Established	Not Established	Not Established	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 20 mg/m ³
Boric acid 10043-35-3	-	STEL: 10 mg/m ³	Not Established	Not Established	Not Established

Chemical name	European Union	United Kingdom	France	Spain	Germany
Excipient	-	-	-	-	-
Boric acid 10043-35-3	-	-	-	-	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Excipient	-	-	-	-	-
Boric acid 10043-35-3	-	-	-	-	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Excipient	-	-	-	-	-
Boric acid	-	-	-	-	-

10043-35-3				
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Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Showers
Eyewash stations
Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.
Hand protection Protective gloves. Nitrile rubber.
Skin and body protection Long sleeved clothing.
Respiratory protection None required under normal usage.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	solid Tablet	Odor	Odorless
Appearance	White to off-white	Odor threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 (1 tablet in 10mL of water)	
pH	6	(1 tablet in 10mL of water)
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		Not applicable
Lower flammability limit:		Not applicable
Vapor pressure		No information available
Vapor density		No information available
Specific gravity		No information available
Water solubility	Soluble in water	No information available
Solubility in other solvents	Soluble	No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Hazardous Reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Inhalation

May cause eye, skin, and respiratory tract irritation.

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Unknown Acute Toxicity

5.3% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4,722.00

ATEmix (dermal) 7,632.00

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Excipient	> 5 g/kg (Rat)	> 2 g/kg (Rabbit)	> 5800 mg/m ³ (Rat) 4 h
Boric acid	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 0.16 mg/L (Rat) 4 h

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenic effects No information available.

Reproductive toxicity No information available.

Developmental toxicity No information available.

Teratogenic	May cause harm to the unborn child.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	No information available.
Aspiration hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

78.3 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Excipient	Not Established	Not Established	Not Established
Boric acid	Not Established	1020: 72 h Carassius auratus mg/L LC50 flow-through	115 - 153: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No data is available on the product itself.

12.3. Bioaccumulative potential

No information available.

Chemical name	Log Pow
Excipient	Not Established
Boric acid	-0.757

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

Chemical name	PBT and vPvB assessment
Excipient	-
Boric acid	-

12.6. Other adverse effects

None known

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine disrupting potential
Excipient	Not Established	Not Established	Not Established
Boric acid	Not Established	Not Established	Not Established

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused Dispose of waste product or used containers according to local regulations. Can be

products disposed as waste water, when in compliance with local regulations.

Contaminated packaging Dispose of waste product or used containers according to local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/IMO

14.1

14.2

14.3

14.4

14.5

14.6

14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable

ICAO

14.1

14.2

14.3

14.4

14.5

14.6

IATA

14.1

14.2 **Proper shipping name** No information available

14.3

14.4

14.5 **Environmental Hazard** Not Applicable

14.6

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical name	French RG number	Title
Excipient (CAS #)	-	-
Boric acid (CAS # 10043-35-3)	-	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet**Text of R phrases mentioned in Section 3**

R21 - Harmful in contact with skin

R61 - May cause harm to the unborn child

R60 - May impair fertility

Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value		

Prepared by Regulatory Affairs Department

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet