



Issuing Date 5/25/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** DPD Reagent 3  
**Product Code(s)** 6743  
**Synonyms** none  
**Recommended Use** 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

**CAUTION!**  
**Emergency Overview**  
May cause skin, eye, and respiratory tract irritation  
**Appearance** Clear, colorless solution      **Physical State** Liquid      **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, Ingestion

**Acute Toxicity**  
**Eyes** May cause irritation.  
**Skin** May cause irritation.  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** Gastrointestinal discomfort.

**Chronic Effects**  
**Main Symptoms** See Section 11 for additional Toxicological Information.

**Aggravated Medical Conditions** No information available.

**Environmental Hazard** No information available..

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Potassium iodide	7681-11-0	<30
Buffers	0000	<1

Water	7732-18-5	to 100
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**4. FIRST AID MEASURES**

<b>General Advice</b>	Do not get in eyes, on skin, or on clothing.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	See MSDS (material safety data sheet) for additional information. Treat symptomatically.
<b>Protection of First-aiders</b>	Use personal protective equipment. See Section 8 for more detail.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.

<b>Explosion Data</b>				
<b>NFPA</b>	Health Hazard 1	Flammability 0	Stability 0	<b>Physical and Chemical Hazards -</b>

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Refer to Section 8.
<b>Methods for Containment</b>	Soak up with inert absorbent material, containerize, and hold for disposal.
<b>Methods for Cleaning Up</b>	After cleaning, flush away traces with water.

**7. HANDLING AND STORAGE**

<b>Handling</b>	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.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium iodide 7681-11-0	None Established	None Established	None Established
Buffers 0000	None Established	None Established	None Established
Water 7732-18-5	None Established	None Established	None Established

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Gloves & Lab Coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear, colorless solution      **Odor** Odorless  
**Physical State** Liquid      **pH** 10  
**Boiling Point/Range** >100 °C

**Vapor Pressure** <17 mmHg @ 20°C      **Vapor Density** <1(Air = 1)

## 10. STABILITY AND REACTIVITY

**Stability** Stable.  
**Incompatible Products** Not applicable.  
**Conditions to Avoid** None known based on information supplied.  
**Hazardous Decomposition Products** Iodine.  
**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium iodide	None Established	None Established	None Established
Buffers	None Established	None Established	None Established
Water	90 mL/kg ( Rat )	None Established	None Established

### Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Potassium iodide	None Established	None Established	None Established	None Established
Buffers	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Potassium iodide	None Established	None Established	None Established
Buffers	None Established	None Established	None Established
Water	None Established	None Established	None Established

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Potassium iodide	None Established	None Established	None Established	None Established
Buffers	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established

Chemical Name	Log Pow
Potassium iodide	None Established
Buffers	None Established
Water	None Established

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Dispose of in accordance with local regulations. Can be disposed as waste water, when in compliance with local regulations.

Chemical Name
Potassium iodide - 7681-11-0
Buffers - 0000
Water - 7732-18-5

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Potassium iodide - 7681-11-0	None Established	None Established	None Established	None Established
Buffers - 0000	None Established	None Established	None Established	None Established
Water - 7732-18-5	None Established	None Established	None Established	None Established

**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
Potassium iodide 7681-11-0 ( <30 )	Present	X	X	1-439	X	KE-29149	X	X
Buffers 0000 ( <1 )	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
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 %
Potassium iodide	7681-11-0	<30	None Established
Buffers	0000	<1	None Established
Water	7732-18-5	to 100	None Established

**SARA 311/312 Hazard Categories**  
**Acute Health Hazard**

Yes

<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium iodide 7681-11-0 ( <30 )	None Established	None Established	None Established	None Established
Buffers 0000 ( <1 )	None Established	None Established	None Established	None Established
Water 7732-18-5 ( to 100 )	None Established	None Established	None Established	None Established

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Potassium iodide	7681-11-0	<30	None Established	None Established	None Established	None Established
Buffers	0000	<1	None Established	None Established	None Established	None Established
Water	7732-18-5	to 100	None Established	None Established	None Established	None Established

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Potassium iodide	None Established	None Established
Buffers	None Established	None Established
Water	None Established	None Established

**U.S. State Regulations**

Chemical Name	CAS-No	California Prop. 65
Potassium iodide	7681-11-0	None Established
Buffers	0000	None Established
Water	7732-18-5	None Established

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Potassium iodide	None Established				
Buffers	None Established				
Water	None Established				

**International Regulations**

**Mexico - Grade** No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Potassium iodide	None Established	None Established
Buffers	None Established	None Established
Water	None Established	None Established

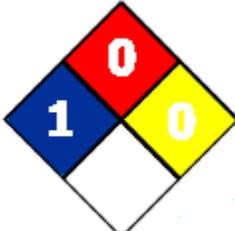
**Canada**

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.

**WHMIS Hazard Class**

Non-controlled

<b>16. OTHER INFORMATION</b>
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NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td data-bbox="509 264 716 310">Health Hazard</td> <td data-bbox="719 264 794 310">1</td> </tr> <tr> <td data-bbox="509 315 716 361">Fire Hazard</td> <td data-bbox="719 315 794 361">0</td> </tr> <tr> <td data-bbox="509 365 716 411">Reactivity</td> <td data-bbox="719 365 794 411">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		<p>Not regulated</p>
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department

Issuing Date 5/25/2010

Revision Date

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**