



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 |
|-------|-----------|--------|

#### 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.

#### Explosion Data

**NFPA** Health Hazard 1 Flammability 0 Stability 0 Physical and Chemical Hazards -

#### 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<br>7681-11-0 | None Established | None Established | None Established |
| Buffers<br>0000               | None Established | None Established | None Established |
| Water<br>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  
**Physical State** Liquid  
**Boiling Point/Range** >100 °C

**Odor** Odorless  
**pH** 10

**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

|                                   |     |
|-----------------------------------|-----|
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**Clean Water Act**

| Component                             | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium iodide<br>7681-11-0 ( <30 ) | None Established            | None Established       | None Established          | None Established           |
| Buffers<br>0000 ( <1 )                | None Established            | None Established       | None Established          | None Established           |
| Water<br>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 | None Established | None Established | None Established | None Established |
| Buffers          | None Established | None Established | None Established | None Established | None Established |
| Water            | None Established | None Established | None Established | None Established | 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

## 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 |  | Not regulated |
| Health Hazard*  | 1  |                |                  |             |   |            |   |  |               |
| Fire Hazard   | 0  |                |                  |             |   |            |   |  |               |
| Reactivity  | 0  |                |                  |             |   |            |   |  |               |

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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**