



Pentair Water Pool and Spa, 1620 Hawkins Avenue, Sanford, NC 27330  
Telephone # For Information: 800-831-7133

# MSDS

## MATERIAL SAFETY DATA SHEET

24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;  
Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

**Product Code:** R15034  
**Product Description:** DPD 3 Rapid Tablets

**Manufactured By:** LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name                     | %   | PEL              | TLV              |
|--------|-------------------------------|-----|------------------|------------------|
| Yes    | 7681-11-0<br>Potassium Iodide | <40 | None Established | None Established |

This tablet does not contain DPD.

Ingredients not listed by name are proprietary to the manufacturer, registered as a trade secret, and may be disclosed only in a medical emergency.

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Large doses by mouth can cause GI irritation. May cause skin irritation.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 1      Flammability: 0      Reactivity: 0

**Carcinogenicity:** None:

#### Other Health Related Comments:

See Section 11, Toxicity.

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**Product Code:** R15034

**Product Description:** DPD 3 Rapid Tablets

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes while lifting eyelids. If irritation develops or persists contact doctor

**Skin Contact:** Flush with water. Wash with soap and water. If irritation develops or persists contact doctor.

**Ingestion:** Drink plenty of water. Consult physician if symptoms of GI distress develop.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** May emit toxic fumes of hydrogen iodide or iodine vapor under fire conditions.

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#### **6. Accidental Release Measures**

Sweep up, containerize, and hold for disposal. Dispose according to federal, state, and local regulations. If permitted, dissolve in water and flush to drain with excess water.

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#### **7. Handling & Storage**

Store in cool, dry area and out of direct sunlight.

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**Product Code:** R15034

**Product Description:** DPD 3 Rapid Tablets

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Gloves

**Work/Hygenic Practices:** Avoid repeated handling of tablets. Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Small White Tablet

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 7(1 tablet in 10mL water)

**Vapor Density:** N/A

**Vapor Pressure:** N/A

**Boiling Point:** N/A

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, Direct Sunlight, Incompatibles

**Incompatibility (Materials To Avoid):** Strong acids

**Hazardous Decomposition Products:** Hydrogen iodide, iodine

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## **11. Toxicological Information**

Potassium iodide (dust) may cause respiratory or skin allergy. Investigated as a mutagen & reproductive effector.

**Target Organs:** Skin

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**Product Code:** R15034

**Product Description:** DPD 3 Rapid Tablets

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Dispose according to federal, state and local regulations.

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**14. Transportation Information**

Not Regulated For Transport

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**15. Regulatory Information**

**Chemical Inventory Status**

|        |            |             |              |                       |      |           |       |
|--------|------------|-------------|--------------|-----------------------|------|-----------|-------|
| Hazard | Ingredient | USA<br>TSCA | Europe<br>EC | --- Canada ---<br>DSL | NDSL | Australia | Japan |
| Yes    | 7681-11-0  | Yes         | Yes          | Yes                   | No   | Yes       | Yes   |

**Federal, State, & International Regulations**

|                   |                  |                      |               |                          |               |               |             |
|-------------------|------------------|----------------------|---------------|--------------------------|---------------|---------------|-------------|
|                   | --- SARA 302 --- | ----- SARA 313 ----- |               |                          |               | RCRA          | TSCA        |
| <b>Ingredient</b> | <b>RQ</b>        | <b>TPQ</b>           | <b>Listed</b> | <b>Chemical Category</b> | <b>CERCLA</b> | <b>261.33</b> | <b>8(D)</b> |
| 7681-11-0         | No               | No                   | No            | No                       | No            | No            | No          |
| Potassium Iodide  |                  |                      |               |                          |               |               |             |

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**Product Code:** R15034

**Product Description:** DPD 3 Rapid Tablets

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| Ingredient                    | Acute | --- SARA 311/312 --- |                   |    |               | ----- Australia ----- |                 | This MSDS Is<br>WHMIS Compliant |
|-------------------------------|-------|----------------------|-------------------|----|---------------|-----------------------|-----------------|---------------------------------|
|                               |       | Chronic              | Hazard Categories |    | Fire Pressure | Reactivity            | Hazchem<br>Code |                                 |
| 7681-11-0<br>Potassium Iodide | Yes   | Yes                  | No                | No | No            | None Allocated        | None Allocated  |                                 |
| product R15034<br>as a whole  | No    | No                   | No                | No | No            | None Allocated        | None Allocated  | No                              |

#### **16. Other Information**

Keep out of the reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 4/8/2010

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# MSDS

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Pentair Water Pool and Spa, 1620 Hawkins Avenue, Sanford, NC 27330  
Telephone # For Information: 800-831-7133

24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

Product Code: R161177

Product Description: Solution 2 pH Test

Manufactured By: LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name              | %       | PEL              | TLV              |
|--------|------------------------|---------|------------------|------------------|
| Yes    | 143-74-8<br>Phenol Red | <0.1    | None Established | None Established |
| No     | 7732-18-5<br>Water     | to 100% | None Established | None Established |

All ingredients may not be listed. Ingredients not listed do not meet the reporting requirement of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

### 3. Hazards Overview

Primary Route Of Entry: Ingestion Skin

May be harmful if swallowed.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 0      Flammability: 0      Reactivity: 0

Carcinogenicity: None

Other Health Related Comments:

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**Product Code:** R161177

**Product Description:** Solution 2 pH Test

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#### **4. First Aid Measures**

**Eye Contact:** Flush thoroughly with water. Consult physician if irritation develops.

**Skin Contact:** Flush skin with water. Wash with soap and water. Consult physician if irritation develops.

**Ingestion:** Drink plenty of water. Consult physician if irritation develops.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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#### **6. Accidental Release Measures**

Absorb spill with inert material, containerize, and hold for sanitary disposal. After cleaning, flush away traces with water. Dispose according to federal, state, and local regulations.

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#### **7. Handling & Storage**

Store in cool, dry, storage area away from incompatible materials.

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**Product Code:** R161177

**Product Description:** Solution 2 pH Test

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Gloves Eye Protection Lab coat

**Work/Hygenic Practices:** N/A

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## **9. Physical & Chemical Properties**

**Appearance:** Red Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 8

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 @ 20° C

**Boiling Point:** ca. 100° C

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

**Target Organs:** N/A

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**Product Code:** R161177**Product Description:** Solution 2 pH Test

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**12. Ecological Information**Information Not Yet Available

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**13. Disposal Considerations**Dispose according to federal, state and local regulations.

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**14. Transportation Information**Not Regulated For Transport

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**15. Regulatory Information****Chemical Inventory Status**

| Hazard | Ingredient                        | USA  | Europe | --- Canada --- |      | Australia | Japan |
|--------|-----------------------------------|------|--------|----------------|------|-----------|-------|
|        |                                   | TSCA | EC     | DSL            | NDSL |           |       |
| Yes    | 143-74-8<br>Phenol Red, free acid | Yes  | Yes    | Yes            | No   | Yes       | No    |
| No     | 7732-18-5<br>Distilled Water      | Yes  | Yes    | Yes            | No   | Yes       | Yes   |

**Federal, State, & International Regulations**

| Ingredient                        | --- SARA 302 --- |     | ----- SARA 313 ----- |                   | CERCLA | RCRA<br>261.33 | TSCA<br>8(D) |
|-----------------------------------|------------------|-----|----------------------|-------------------|--------|----------------|--------------|
|                                   | RQ               | TPQ | Listed               | Chemical Category |        |                |              |
| 143-74-8<br>Phenol Red, free acid | No               | No  | No                   | No                | No     | No             | No           |
| 7732-18-5<br>Distilled Water      | No               | No  | No                   | No                | No     | No             | No           |

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**Product Code:** R161177

**Product Description:** Solution 2 pH Test

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| Ingredient                        | --- SARA 311/312 --- |         |      |          |            | ----- Australia ----- |                    | This MSDS Is<br>WHMIS Compliant |
|-----------------------------------|----------------------|---------|------|----------|------------|-----------------------|--------------------|---------------------------------|
|                                   | Acute                | Chronic | Fire | Pressure | Reactivity | Hazchem<br>Code       | Poison<br>Schedule |                                 |
| 143-74-8<br>Phenol Red, free acid | Yes                  | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 7732-18-5<br>Distilled Water      | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| product R161177<br>as a whole     | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     | Yes                             |

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#### **16. Other Information**

Keep out of the reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 3/15/2010

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# MSDS

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Telephone # For Information: 800-831-7133

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Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

Product Code: R161207

Product Description: Solution 4  
Chlorine Neutralizer

Manufactured By: LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name  | %       | PEL              | TLV              |
|--------|--|---------|------------------|------------------|
| Yes    | 10102-17-7<br>Sodium Thiosulfate, 5-hydrate              | 2.5     | None Established | None Established |
| No     | 144-55-8<br>Sodium bicarbonate                           | <0.05   | None Established | None Established |
| Yes    | 111-30-8<br>Uncaricide 50® (50% Glutaraldehyde in water) | <0.05   | N/E              | 0.05ppm          |
| No     | 7732-18-5<br>Water                                       | to 100% | None Established | None Established |

### 3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

Large doses by mouth can cause GI irritation. May cause skin irritation.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 1      Flammability: 0      Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:

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**Product Code:** R161207

**Product Description:** Solution 4  
Chlorine Neutralizer

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes while lifting upper and lower eyelids. Contact physician if irritation develops or

**Skin Contact:** Flush with water. Wash with soap and water. Contact physician if irritation develops or persists.

**Ingestion:** Drink several glasses of water. Contact physician if irritation develops or persists.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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#### **6. Accidental Release Measures**

Absorb spill with inert material, containerize, and hold for disposal. Dispose according to local regulations.

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#### **7. Handling & Storage**

Store in cool, dry, storage area away from heat and light.

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**Product Code:** R161207

**Product Description:** Solution 4  
Chlorine Neutralizer

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves

**Work/Hygenic Practices:** Avoid repeated contact with eyes or skin. Solution is alkaline and may be irritating.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 12

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 mm @ 20° C

**Boiling Point:** ca. 100° C

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, light

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

In a NTP chronic 2-year inhalation study on glutaraldehyde, no carcinogenicity was seen in rats or in mice.

**Target Organs:** N/A Skin

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**Product Code:** R161207**Product Description:** Solution 4  
Chlorine Neutralizer

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Dispose according to local regulations. If permitted, neutralize with dilute acid and rinse to drain with excess water.

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## **14. Transportation Information**

Not Regulated For Transport

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## **15. Regulatory Information**

### **Chemical Inventory Status**

| Hazard | Ingredient  | USA<br>TSCA | Europe<br>EC | --- Canada --- |      | Australia | Japan |
|--------|---|-------------|--------------|----------------|------|-----------|-------|
|        |   |             |              | DSL            | NDSL |           |       |
| Yes    | 7772-98-7<br>Sodium Thiosulfate, anhydrous            | Yes         | Yes          | Yes            | No   | Yes       | Yes   |
| No     | 144-55-8<br>Sodium Bicarbonate                        | Yes         | Yes          | Yes            | No   | Yes       | Yes   |
| Yes    | 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | Yes         | Yes          | Yes            | No   | Yes       | Yes   |
| No     | 7732-18-5<br>Distilled Water                          | Yes         | Yes          | Yes            | No   | Yes       | Yes   |

### **Federal, State, & International Regulations**

| Ingredient  | --- SARA 302 --- |     | ----- SARA 313 ----- |                   | CERCLA | RCRA<br>261.33 | TSCA<br>8(D) |
|---|------------------|-----|----------------------|-------------------|--------|----------------|--------------|
|   | RQ               | TPQ | Listed               | Chemical Category |        |                |              |
| 7772-98-7<br>Sodium Thiosulfate, anhydrous            | No               | No  | No                   | No                | No     | No             | No           |
| 144-55-8<br>Sodium Bicarbonate                        | No               | No  | No                   | No                | No     | No             | No           |
| 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | No               | No  | No                   | No                | No     | No             | No           |
| 7732-18-5<br>Distilled Water                          | No               | No  | No                   | No                | No     | No             | No           |

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**Product Code:** R161207**Product Description:** Solution 4  
Chlorine Neutralizer

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| Ingredient  | --- SARA 311/312 --- |         |      |          |            | ----- Australia ----- |                    | This MSDS Is<br>WHMIS Compliant |
|---|----------------------|---------|------|----------|------------|-----------------------|--------------------|---------------------------------|
|   | Acute                | Chronic | Fire | Pressure | Reactivity | Hazchem<br>Code       | Poison<br>Schedule |                                 |
| 7772-98-7<br>Sodium Thiosulfate, anhydrous            | Yes                  | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 144-55-8<br>Sodium Bicarbonate                        | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | Yes                  | Yes     | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 7732-18-5<br>Distilled Water                          | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| <b>product R161207<br/>as a whole</b>                 | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     | Yes                             |

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**16. Other Information**

Store away from heat and light.  
Keep out of the reach of children.

**Prepared By:** Regulatory Affairs Department**Revised:** 3/16/2010

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# MSDS

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24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

**Product Code:** R161187

**Product Description:** Solution 3 Acid Demand  
and Total Alkalinity

**Manufactured By:** LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name                      | %       | PEL                                 | TLV              |
|--------|--------------------------------|---------|-------------------------------------|------------------|
| Yes    | 7647-01-0<br>Hydrochloric Acid | 0.2     | Ceiling 5 ppm (7mg/m <sup>3</sup> ) | Ceiling 2 ppm    |
| No     | 7732-18-5<br>Water             | to 100% | None Established                    | None Established |

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

May irritate eyes and skin. Harmful if swallowed.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 1      Flammability: 0      Reactivity: 0

**Carcinogenicity:** None:

**Other Health Related Comments:**



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**Product Code:** R161187

**Product Description:** Solution 3 Acid Demand  
and Total Alkalinity

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#### **4. First Aid Measures**

**Eye Contact:** Flush thoroughly with water for 15 minutes while lifting upper and lower eyelids. Contact physician if irritation

**Skin Contact:** Flush with water for 15 minutes while removing affected clothing/shoes. If irritation develops, contact physician.  
Wash clothing prior to reuse.

**Ingestion:** Drink several glasses of water and rinse mouth. If gastric distress develops, contact physician.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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#### **6. Accidental Release Measures**

Cover spill with sodium bicarbonate, scoop up neutralized slurry, and place into appropriate container. Dispose according to federal, state, and local regulations. If regulations permits, flush neutralized slurry to drain with excess water.

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#### **7. Handling & Storage**

Store in cool, dry location away from incompatible materials.

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**Product Code:** R161187

**Product Description:** Solution 3 Acid Demand  
and Total Alkalinity

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Avoid contact with skin, eyes, and clothing. Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 1

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 mm Hg @ 20° C

**Boiling Point:** ca. 100° C

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** Alkalies, metals

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

Oral rabbit LD50: 900 mg/kg for concentrated hydrochloric acid.

**Target Organs:** Skin

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**Product Code:** R161187**Product Description:** Solution 3 Acid Demand  
and Total Alkalinity

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**12. Ecological Information**Information Not Yet Available

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**13. Disposal Considerations**Dispose of according to federal, state, and local regulations.

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**14. Transportation Information**Not Regulated For Transport

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**15. Regulatory Information****Chemical Inventory Status**

| Hazard | Ingredient                     | USA<br>TSCA | Europe<br>EC | --- Canada ---<br>DSL NDSL |    | Australia | Japan |
|--------|--------------------------------|-------------|--------------|----------------------------|----|-----------|-------|
| Yes    | 7647-01-0<br>Hydrochloric Acid | Yes         | Yes          | Yes                        | No | Yes       | Yes   |
| No     | 7732-18-5<br>Distilled Water   | Yes         | Yes          | Yes                        | No | Yes       | Yes   |

**Federal, State, & International Regulations**

| Ingredient                     | --- SARA 302 --- |     | ----- SARA 313 ----- |                   | CERCLA<br>5000 | RCRA<br>261.33 | TSCA<br>8(D) |
|--------------------------------|------------------|-----|----------------------|-------------------|----------------|----------------|--------------|
|                                | RQ               | TPQ | Listed               | Chemical Category |                |                |              |
| 7647-01-0<br>Hydrochloric Acid | 5000             | 500 | Yes                  | No                | 5000           | No             | No           |
| 7732-18-5<br>Distilled Water   | No               | No  | No                   | No                | No             | No             | No           |

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**Product Code:** R161187

**Product Description:** Solution 3 Acid Demand  
and Total Alkalinity

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| Ingredient                            | --- SARA 311/312 ---<br>Hazard Categories |         |      |          |            | ----- Australia ----- |                    | This MSDS Is<br>WHMIS Compliant |
|---------------------------------------|---|---------|------|----------|------------|-----------------------|--------------------|---------------------------------|
|                                       | Acute                                     | Chronic | Fire | Pressure | Reactivity | Hazchem<br>Code       | Poison<br>Schedule |                                 |
| 7647-01-0<br>Hydrochloric Acid        | Yes                                       | Yes     | No   | No       | No         | 2R                    | None Allocated     |                                 |
| 7732-18-5<br>Distilled Water          | No  | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| <b>product R161187<br/>as a whole</b> | Yes                                       | No      | No   | No       | No         | None Allocated        | None Allocated     | Yes                             |

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#### **16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 3/10/2010

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# MSDS

## MATERIAL SAFETY DATA SHEET

Pentair Water Pool and Spa, 1620 Hawkins Avenue, Sanford, NC 27330  
Telephone # For Information: 800-831-7133

24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

Product Code: R161197

Product Description: Solution 5  
Total Alkalinity Test

Manufactured By: LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name   | %       | PEL              | TLV              |
|--------|---|---------|------------------|------------------|
| Yes    | 76-60-8<br>Bromocresol green                            | 0.1     | None Established | None Established |
| Yes    | 111-30-8<br>Ucaricide 50® (50% Glutaraldehyde in water) | <0.05   | N/E              | 0.05ppm          |
| No     | 7732-18-5<br>Water                                      | to 100% | None Established | None Established |

### 3. Hazards Overview

Primary Route Of Entry: Skin

May stain skin.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 0      Flammability: 0      Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:

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**Product Code:** R161197

**Product Description:** Solution 5  
Total Alkalinity Test

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#### **4. First Aid Measures**

**Eye Contact:** Flush thoroughly with water while occasionally lifting eyelids.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Drink several glasses of water. Consult physician if GI distress occurs.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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#### **6. Accidental Release Measures**

Absorb spill with inert material, containerize, and hold for sanitary disposal. Dispose according to local regulations. If permitted, rinse to drain with excess water.

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#### **7. Handling & Storage**

Store in cool, dry, location.

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**Product Code:** R161197

**Product Description:** Solution 5  
Total Alkalinity Test

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Gloves

**Work/Hygenic Practices:** Wash after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Blue-purple Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 4

**Vapor Density:** <1 (Air=1)

**Vapor Pressure:** <17 mm Hg @ 20° C

**Boiling Point:** ca. 100° C

**Melting Point:** 0° C

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

**Target Organs:** Skin

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**Product Code:** R161197**Product Description:** Solution 5  
Total Alkalinity Test

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**12. Ecological Information**Information Not Yet Available

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**13. Disposal Considerations**Dispose according to federal, state and local regulations.

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**14. Transportation Information**Not Regulated For Transport

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**15. Regulatory Information****Chemical Inventory Status**

| Hazard | Ingredient  | USA<br>TSCA | Europe<br>EC | --- Canada ---<br>DSL NDSL |    | Australia | Japan |
|--------|---|-------------|--------------|----------------------------|----|-----------|-------|
| Yes    | 76-60-8<br>Bromcresol Green (free acid)               | Yes         | Yes          | Yes                        | No | Yes       | No    |
| Yes    | 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | Yes         | Yes          | Yes                        | No | Yes       | Yes   |
| No     | 7732-18-5<br>Distilled Water                          | Yes         | Yes          | Yes                        | No | Yes       | Yes   |

**Federal, State, & International Regulations**

| Ingredient  | --- SARA 302 --- |     | ----- SARA 313 ----- |                   | CERCLA | RCRA<br>261.33 | TSCA<br>8(D) |
|---|------------------|-----|----------------------|-------------------|--------|----------------|--------------|
|   | RQ               | TPQ | Listed               | Chemical Category |        |                |              |
| 76-60-8<br>Bromcresol Green (free acid)               | No               | No  | No                   | No                | No     | No             | No           |
| 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | No               | No  | No                   | No                | No     | No             | No           |
| 7732-18-5<br>Distilled Water                          | No               | No  | No                   | No                | No     | No             | No           |



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**Product Code:** R161197**Product Description:** Solution 5  
Total Alkalinity Test

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| Ingredient  | --- SARA 311/312 --- |         |      |          |            | ----- Australia ----- |                    | This MSDS Is<br>WHMIS Compliant |
|---|----------------------|---------|------|----------|------------|-----------------------|--------------------|---------------------------------|
|   | Acute                | Chronic | Fire | Pressure | Reactivity | Hazchem<br>Code       | Poison<br>Schedule |                                 |
| 76-60-8<br>Bromocresol Green (free acid)              | Yes                  | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 111-30-8<br>Ucarcide 50 (50% Glutaraldehyde in Water) | Yes                  | Yes     | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| 7732-18-5<br>Distilled Water                          | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| product R161197<br>as a whole                         | No                   | No      | No   | No       | No         | None Allocated        | None Allocated     | Yes                             |

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## **16. Other Information**

Keep out of the reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 3/19/2010

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# MSDS

## MATERIAL SAFETY DATA SHEET

Pentair Water Pool and Spa, 1620 Hawkins Avenue, Sanford, NC 27330  
Telephone # For Information: 800-831-7133

24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

Product Code: R15033

Product Description: DPD 1 Rapid Tablets

Manufactured By: LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name  | % | PEL              | TLV              |
|--------|--|---|------------------|------------------|
| Yes    | 6283-63-2<br>N, N diethyl-p-phenylenediamine sulfate | 1 | None Established | None Established |

All other ingredients not listed by name are proprietary to the manufacturer, registered as a trade secret, and may be disclosed only in a medical emergency.

### 3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

May irritate eyes and skin. Harmful if swallowed.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 1      Flammability: 1      Reactivity: 0

Carcinogenicity: None:

#### Other Health Related Comments:

See Section 11, Toxicity.

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**Product Code:** R15033

**Product Description:** DPD 1 Rapid Tablets

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes while lifting upper and lower eyelids. If irritation persists or develops, contact physician.

**Skin Contact:** Flush skin for 15 minutes. Wash with soap and water. If irritation persists or develops, contact physician.

**Ingestion:** Induce vomiting. Drink several glasses of water. Contact physician.

**Inhalation:** Remove to fresh air.

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#### **5. Fire Fighting Measures**

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Not a fire hazard

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

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#### **6. Accidental Release Measures**

Sweep up and containerize for disposal. Dispose according to federal, state, and local regulations. If permitted, dissolve in water and flush to drain with excess water.

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#### **7. Handling & Storage**

Store in cool, dry, storage area out of direct sunlight and away from incompatible materials. Keep out of reach of children.

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**Product Code:** R15033

**Product Description:** DPD 1 Rapid Tablets

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves

**Work/Hygenic Practices:** Avoid handling tablets.

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## **9. Physical & Chemical Properties**

**Appearance:** Small White Tablet

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 6 (1 tablet in 10mL water)

**Vapor Density:** N/A

**Vapor Pressure:** N/A

**Boiling Point:** N/A

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, moisture

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

Oral rat LD50: 195 mg/kg for N, N diethyl-p-phenylenediamine sulfate

**Target Organs:** Skin

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**Product Code:** R15033

**Product Description:** DPD 1 Rapid Tablets

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**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Dispose according to federal, state, and local regulations.

---

**14. Transportation Information**

Not Regulated For Transport

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**15. Regulatory Information**

**Chemical Inventory Status**

|        |            |             |              |                       |      |           |       |
|--------|------------|-------------|--------------|-----------------------|------|-----------|-------|
| Hazard | Ingredient | USA<br>TSCA | Europe<br>EC | --- Canada ---<br>DSL | NDSL | Australia | Japan |
| Yes    | 6065-27-6  | Yes         | Yes          | Yes                   | No   | Yes       | Yes   |

**Federal, State, & International Regulations**

| Ingredient   | --- SARA 302 --- |     | ----- SARA 313 ----- |                   | CERCLA | RCRA<br>261.33 | TSCA<br>8(D) |
|--|------------------|-----|----------------------|-------------------|--------|----------------|--------------|
|  | RQ               | TPQ | Listed               | Chemical Category |        |                |              |
| 6065-27-6<br>N, N-Diethyl-p-phenylenediamine sulfate | No               | No  | No                   | No                | No     | No             | No           |

---

**Product Code:** R15033

**Product Description:** DPD 1 Rapid Tablets

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| Ingredient   | --- SARA 311/312 --- |         |      |          |            | ----- Australia ----- |                    | This MSDS Is<br>WHMIS Compliant |
|--|----------------------|---------|------|----------|------------|-----------------------|--------------------|---------------------------------|
|  | Acute                | Chronic | Fire | Pressure | Reactivity | Hazchem<br>Code       | Poison<br>Schedule |                                 |
| 6065-27-6<br>N, N-Diethyl-p-phenylenediamine sulfate | Yes                  | Yes     | No   | No       | No         | None Allocated        | None Allocated     |                                 |
| product R15033<br>as a whole                         | Yes                  | No      | No   | No       | No         | None Allocated        | None Allocated     | Yes                             |

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#### **16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 4/5/2010

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