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# Safety Data Sheet

OSHA format

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name RAINBOW™ pH Solution (Contains Chlorine Neutralizer)

### Other means of identification

Product Code(s) R161009 R161009B R210087 R161093 R161116 R161126

### Recommended use of the chemical and restrictions on use

Recommended Use Test kit reagent for water testing. Industrial (not for food or food contact use). Laboratory chemicals.

Uses advised against This product should not be used in applications other than those listed

### Details of the supplier of the safety data sheet

#### Supplier Address

Pentair Water Pool and Spa, Inc.  
Hawkins Avenue  
Sanford, NC 27330  
USA 1-800-831-7133  
www.pentair.com

### Emergency telephone numbers

(CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

## 2. HAZARDS IDENTIFICATION

### OSHA Regulatory Status

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### EMERGENCY OVERVIEW

|                                   |                              |                      |
|-----------------------------------|------------------------------|----------------------|
| <b>Appearance</b> red transparent | <b>Physical state</b> liquid | <b>Odor</b> Odorless |
|-----------------------------------|------------------------------|----------------------|

### Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Keep out of reach of children.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water. IF SWALLOWED: Drink 1 or 2 glasses of water.

### Storage:

Store in a well-ventilated place. Keep cool.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS\*

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical name | CAS No   | Weight-% |
|---------------|----------|----------|
| Phenol red    | 143-74-8 | <0.05    |

|                    |            |         |
|--------------------|------------|---------|
| Sodium thiosulfate | 10102-17-7 | 0.1     |
| Water              | 7732-18-5  | to 100% |

#### 4. FIRST AID MEASURES

##### First Aid Measures

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                            | Do not get in eyes, on skin, or on clothing. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. Do not breathe dust /fume /gas /mist /vapors /spray.                 |
| <b>Eye contact</b>                               | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| <b>Skin contact</b>                              | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician if necessary.                                                                                 |
| <b>Inhalation</b>                                | Not expected to require first aid measures. Remove to fresh air. Consult a physician.                                                                                                                             |
| <b>Ingestion</b>                                 | Drink plenty of water. Rinse mouth. If symptoms persist or develop contact physician. Do NOT induce vomiting.                                                                                                     |
| <b><u>Self-protection of the first aider</u></b> | Use personal protective equipment.                                                                                                                                                                                |

#### 5. FIREFIGHTING MEASURES

##### Suitable extinguishing media

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

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Personal precautions</b>      | See section 8.                                        |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |

##### Methods and material for containment and cleaning up

|                                |                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Methods for containment</b> | Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. |
| <b>Methods for cleaning up</b> | After cleaning, flush away traces with water.                                                        |

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling

|                 |                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Do not eat, drink, or smoke when using this product. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Take off contaminated clothing and wash before reuse. Do not breathe mist/vapors/spray. |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### Conditions for safe storage, including any incompatibilities

**Storage:** Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Products** Not Applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

| Chemical name                    | ACGIH TLV | OSHA PEL | NIOSH IDLH      |
|----------------------------------|-----------|----------|-----------------|
| Phenol red<br>143-74-8           | *_        | *_       | Not Established |
| Sodium thiosulfate<br>10102-17-7 | *_        | *_       | Not Established |
| Water<br>7732-18-5               | *_        | *_       | Not Established |

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and body protection** Wear protective gloves/clothing.

**Hygiene Measures** Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** liquid  
**Appearance** red transparent  
**Odor** Odorless

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | 8                        |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | 100 °C / 212 °F          |                         |
| Flash point                    | Not Applicable           |                         |
| Evaporation rate               |                          |                         |
| Flammability (solid, gas)      | No information available |                         |
| Flammability Limit in Air      |                          |                         |
| Upper flammability limit:      | No information available |                         |
| Lower flammability limit:      | No information available |                         |
| Vapor pressure                 | No information available |                         |
| Vapor density                  | No information available |                         |
| Specific gravity               | No information available |                         |
| Water solubility               | No information available |                         |
| Solubility in other solvents   | 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 |                         |

#### 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 |

### 10. STABILITY AND REACTIVITY

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| Stability                        | Stable under normal conditions of use and storage. |
| Hazardous Reactions              | None under normal processing.                      |
| Hazardous polymerization         | Hazardous polymerization does not occur.           |
| Conditions to avoid              | None known based on information supplied.          |
| Incompatible materials           | Not Applicable.                                    |
| Hazardous decomposition products | None known.                                        |

### 11. TOXICOLOGICAL INFORMATION

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information |
|---------------------|------------------------------------------------------------------------------------------|

#### Information on likely routes of exposure

##### Component identification

| Chemical name                    | ATEmix (oral)        | ATEmix (dermal) | Inhalation LC50 |
|----------------------------------|----------------------|-----------------|-----------------|
| Phenol red<br>143-74-8           | Not Established      | Not Established | Not Established |
| Sodium thiosulfate<br>10102-17-7 | > 5000 mg/kg ( Rat ) | Not Established | Not Established |
| Water<br>7732-18-5               | > 90 mL/kg ( Rat )   | Not Established | Not Established |

##### Information on toxicological effects

| Chemical name                    | ACGIH           | IARC            | NTP             | OSHA            |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Phenol red<br>143-74-8           | Not Established | Not Established | Not Established | Not Established |
| Sodium thiosulfate<br>10102-17-7 | Not Established | Not Established | Not Established | Not Established |
| Water<br>7732-18-5               | Not Established | Not Established | Not Established | Not Established |

|                  |                  |
|------------------|------------------|
| Chronic toxicity | No known effect. |
|------------------|------------------|

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

| Chemical name                    | Toxicity to Algae | Toxicity to Fish                                 | Daphnia Magna (Water Flea) |
|----------------------------------|-------------------|--------------------------------------------------|----------------------------|
| Phenol red<br>143-74-8           | Not Established   | Not Established                                  | Not Established            |
| Sodium thiosulfate<br>10102-17-7 | Not Established   | 24000: 96 h Gambusia affinis<br>mg/L LC50 static | Not Established            |
| Water<br>7732-18-5               | Not Established   | Not Established                                  | Not Established            |

#### Persistence and degradability

No information available.

#### Bioaccumulation/Accumulation

No information available.

| Chemical name                    | Log Pow         |
|----------------------------------|-----------------|
| Phenol red<br>143-74-8           | Not Established |
| Sodium thiosulfate<br>10102-17-7 | Not Established |
| Water<br>7732-18-5               | Not Established |

### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of waste product or used containers according to local regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated packaging

Do not reuse empty containers.

| Chemical name                    | RCRA            | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|----------------------------------|-----------------|--------------------------|------------------------|------------------------|
| Phenol red<br>143-74-8           | Not Established | -                        | Not Established        | Not Established        |
| Sodium thiosulfate<br>10102-17-7 | Not Established | -                        | Not Established        | Not Established        |
| Water<br>7732-18-5               | Not Established | -                        | Not Established        | Not Established        |

| Chemical name                    | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|----------------------------------|--------------------------------------|------------------------|------------------------|------------------------|
| Phenol red<br>143-74-8           | Not Established                      | Not Established        | Not Established        | Not Established        |
| Sodium thiosulfate<br>10102-17-7 | Not Established                      | Not Established        | Not Established        | Not Established        |
| Water<br>7732-18-5               | Not Established                      | Not Established        | Not Established        | Not Established        |

| Chemical name                    | California Hazardous Waste Status |
|----------------------------------|-----------------------------------|
| Phenol red<br>143-74-8           | *_                                |
| Sodium thiosulfate<br>10102-17-7 | *_                                |
| Water<br>7732-18-5               | *_                                |

### 14. TRANSPORT INFORMATION

#### DOT

Not regulated

#### IATA

Not regulated

#### IMDG/IMO

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| 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

### US 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                    | SARA 313 - Threshold Values % |
|----------------------------------|-------------------------------|
| Phenol red<br>143-74-8           | Not Established               |
| Sodium thiosulfate<br>10102-17-7 | Not Established               |
| Water<br>7732-18-5               | Not Established               |

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (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)

| Chemical name                    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Phenol red<br>143-74-8           | Not Established             | Not Established        | Not Established           | Not Established            |
| Sodium thiosulfate<br>10102-17-7 | Not Established             | Not Established        | Not Established           | Not Established            |
| Water<br>7732-18-5               | Not Established             | Not Established        | Not Established           | Not Established            |

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name                    | Hazardous Substances RQs | CERCLA/SARA RQ  | RQ |
|----------------------------------|--------------------------|-----------------|----|
| Phenol red<br>143-74-8           | *-                       | Not Established | -  |
| Sodium thiosulfate<br>10102-17-7 | *-                       | Not Established | -  |
| Water<br>7732-18-5               | *-                       | Not Established | -  |

## US State Regulations

### California Proposition 65



WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

| Chemical name                    | California Proposition 65 |
|----------------------------------|---------------------------|
| Phenol red<br>143-74-8           | Not Established           |
| Sodium thiosulfate<br>10102-17-7 | Not Established           |
| Water<br>7732-18-5               | Not Established           |

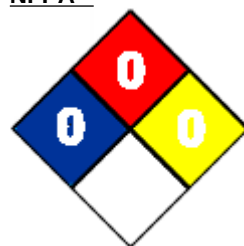
### U.S. State Right-to-Know Regulations

| Chemical name                    | New Jersey      | Massachusetts   | Pennsylvania    |
|----------------------------------|-----------------|-----------------|-----------------|
| Phenol red<br>143-74-8           | Not Established | Not Established | Not Established |
| Sodium thiosulfate<br>10102-17-7 | Not Established | Not Established | Not Established |
| Water<br>7732-18-5               | Not Established | Not Established | X               |

## CPSC (Consumer Product Safety Commission) - Specially Regulated Substances

## 16. OTHER INFORMATION

### NFPA



|               |   |
|---------------|---|
| Health Hazard | 0 |
| Fire Hazard   | 0 |
| Reactivity    | 0 |

Prepared by  
Issuing Date  
Revision Date  
Reason for revision  
Disclaimer

Regulatory Affairs Department  
Mar-03-2015  
Mar-09-2020  
SDS sections updated 15 2

The information provided on this SDS 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 Safety Data Sheet**

**4.1. Description of first aid measures**

|              |                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove to fresh air.                                                                                                    |
| Eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.<br>Consult a physician. |
| Skin contact | Wash skin with soap and water.                                                                                          |
| Ingestion    | Clean mouth with water and drink afterwards plenty of water.                                                            |

**Most important symptoms and effects, both acute and delayed**

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

**Indication of any immediate medical attention and special treatment needed**

|                    |                        |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|