



Be Right™

# SAFETY DATA SHEET

Issue Date 09-Apr-2019

Revision Date 08-Feb-2023

Version 1.5

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## 1. IDENTIFICATION

### Product identifier

**Product Name** pH 9.180 IUPAC pH Standard

### Other means of identification

**Product Code(s)** S11M006

**Safety data sheet number** M01769

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

**Recommended Use** Standard solution.

**Uses advised against** Consumer use.

**Restrictions on use** For Laboratory Use Only.

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

#### **Manufacturer Address**

Hach Company, P.O.Box 389, Loveland, CO 80539, USA, +1(970) 669-3050

#### **Emergency telephone number**

+1(303) 623-5716 - 24 Hour Service

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive toxicity

Category 1B

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### **Signal word**

Danger



### **Hazard statements**

H360 - May damage fertility or the unborn child

**Precautionary statements**

P201 - Obtain special instructions before use  
P281 - Use personal protective equipment as required  
P308 + P313 - IF exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant

**Other Hazards Known**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Not applicable

**Mixture**

**Chemical Family** Mixture.  
**Chemical nature** Aqueous solution of alcohol and amine.

Percent ranges are used where confidential product information is applicable.

| Chemical name                   | CAS No    | Percent Range | HMRIC # |
|---------------------------------|-----------|---------------|---------|
| Disodium tetraborate            | 1330-43-4 | <1%           | -       |
| Didecyldimethylammonium bromide | 2390-68-3 | <0.01%        | -       |
| Ethyl alcohol                   | 64-17-5   | <0.01%        | -       |

**4. FIRST AID MEASURES**

**Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.  
**Inhalation** Remove to fresh air.  
**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. 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** See Section 11 for additional Toxicological Information.

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

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Caution: Use of water spray when fighting fire may be inefficient.

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**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** This material will not burn.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**U.S. Notice** Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations should respond to a spill involving chemicals.

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store locked up.

**Flammability class** Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---------------|-----------|----------|-------|
|---------------|-----------|----------|-------|

|   |   |  |  |
|---|---|--|--|
| Disodium tetraborate<br>CAS#: 1330-43-4 | STEL: 6 mg/m <sup>3</sup> inhalable particulate matter<br>TWA: 2 mg/m <sup>3</sup> inhalable particulate matter | (vacated) TWA: 10 mg/m <sup>3</sup>  | TWA: 1 mg/m <sup>3</sup>                                       |
| Ethyl alcohol<br>CAS#: 64-17-5          | STEL: 1000 ppm  | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls**

Showers  
 Eyewash stations  
 Ventilation systems.

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

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hand Protection**

Wear suitable gloves. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1:2016.

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

Wear suitable protective clothing.

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls**

Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

**Thermal hazards**

None under normal processing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                  |                       |                |
|-----------------------|------------------|-----------------------|----------------|
| <b>Physical state</b> | Liquid           | <b>Color</b>          | colorless      |
| <b>Appearance</b>     | aqueous solution | <b>Odor threshold</b> | Not applicable |
| <b>Odor</b>           | Odorless         |                       |                |

| <u>Property</u>                                | <u>Values</u>     | <u>Remarks • Method</u> |
|--|-------------------|-------------------------|
| <b>Molecular weight</b>                        | Not applicable    |                         |
| <b>pH</b>                                      | 9.18              | @ 25 °C                 |
| <b>Melting point / freezing point</b>          | No data available |                         |
| <b>Initial boiling point and boiling range</b> | ~ 100 °C / 212 °F |                         |
| <b>Evaporation rate</b>                        | No data available |                         |
| <b>Vapor pressure</b>                          | No data available |                         |
| <b>Relative vapor density</b>                  | No data available |                         |
| <b>Specific Gravity</b>                        | 1                 |                         |

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**Partition coefficient** No data available  
**Soil Organic Carbon-Water Partition Coefficient** No data available  
**Autoignition temperature** No data available  
**Decomposition temperature** No data available  
**Dynamic viscosity** No data available  
**Kinematic viscosity** No data available

**Solubility(ies)**

**Water solubility**

| Water solubility classification | Water solubility | Water Solubility Temperature |
|---------------------------------|------------------|------------------------------|
| Soluble                         | > 1000 mg/L      | 25 °C / 77 °F                |

**Solubility in other solvents**

| Chemical Name | Solubility classification | Solubility  | Solubility Temperature |
|---------------|---------------------------|-------------|------------------------|
| Acid          | Soluble                   | > 1000 mg/L | 25 °C / 77 °F          |

**Other information**

**Metal Corrosivity**

**Steel Corrosion Rate** No data available  
**Aluminum Corrosion Rate** No data available

**Volatile Organic Compounds (VOC) Content**

See ingredients information below

| Chemical name                   | CAS No    | Volatile organic compounds (VOC) content | CAA (Clean Air Act) |
|---------------------------------|-----------|--|---------------------|
| Disodium tetraborate            | 1330-43-4 | No data available                        | -                   |
| Didecyldimethylammonium bromide | 2390-68-3 | No data available                        | -                   |
| Ethyl alcohol                   | 64-17-5   | No data available                        | X                   |

**Explosive properties**

**Upper explosion limit** Not applicable  
**Lower explosion limit** Not applicable

**Flammable properties**

**Flash point** No data available

**Flammability Limit in Air**

**Upper flammability limit:** No data available  
**Lower flammability limit:** No data available

**Oxidizing properties**

No data available.

**Bulk density**

Not applicable

## 10. STABILITY AND REACTIVITY

### Reactivity

Not applicable.

### Chemical stability

Stable under normal conditions.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous polymerization

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Strong oxidizing agents, strong acids, and strong bases.

### Hazardous decomposition products

None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Inhalation** No known effect based on information supplied.

**Eye contact** No known effect based on information supplied.

**Skin contact** No known effect based on information supplied.

**Ingestion** No known effect based on information supplied.

**Symptoms** No information available.

### Acute toxicity

Based on available data, the classification criteria are not met

### Mixture

No data available.

### Ingredient Acute Toxicity Data

Test data reported below.

#### Oral Exposure Route

| Chemical name                                 | Endpoint type        | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|---|----------------------|---------------|---------------|-----------------------|--|
| Disodium tetraborate (<1%)<br>CAS#: 1330-43-4 | Rat LD <sub>50</sub> | 2660 mg/kg    | None reported | None reported         | GESTIS   |
| Didecyldimethylamm onium bromide              | Rat LD <sub>50</sub> | 435 mg/kg     | None reported | None reported         | Vendor SDS                                     |

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|                             |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|
| (<0.01%)<br>CAS#: 2390-68-3 |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|

**Unknown Acute Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**Acute Toxicity Estimations (ATE)**

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>ATEmix (oral)</b>                 | No information available |
| <b>ATEmix (dermal)</b>               | No information available |
| <b>ATEmix (inhalation-dust/mist)</b> | No information available |
| <b>ATEmix (inhalation-vapor)</b>     | No information available |
| <b>ATEmix (inhalation-gas)</b>       | No information available |

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Skin Corrosion/Irritation Data**

Test data reported below.

| Chemical name                           | Test method          | Species | Reported dose | Exposure time | Results       | Key literature references and sources for data |
|---|----------------------|---------|---------------|---------------|---------------|--|
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5 | Standard Draize Test | Rabbit  | 20 mg         | 24 hours      | Skin irritant | RTECS  |

**Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Eye Damage/Eye Irritation Data**

Test data reported below.

| Chemical name                           | Test method | Species | Reported dose | Exposure time | Results      | Key literature references and sources for data |
|---|-------------|---------|---------------|---------------|--------------|--|
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5 | Rinse Test  | Rabbit  | 100 mg        | 4 seconds     | Eye irritant | RTECS  |

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Sensitization Data**

Test data reported below.

**Skin Sensitization Exposure Route**

| Chemical name | Test method | Species | Results                               | Key literature references and sources for data |
|---------------|-------------|---------|---------------------------------------|--|
| Ethyl alcohol | Patch test  | Human   | Not confirmed to be a skin sensitizer | HSDB   |

|                           |  |  |  |  |
|---------------------------|--|--|--|--|
| (<0.01%)<br>CAS#: 64-17-5 |  |  |  |  |
|---------------------------|--|--|--|--|

**STOT - single exposure**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Specific Target Organ Toxicity Single Exposure Data**

Test data reported below.

**Oral Exposure Route**

| Chemical name                                 | Endpoint type             | Reported dose | Exposure time | Toxicological effects  | Key literature references and sources for data |
|---|---------------------------|---------------|---------------|--|--|
| Disodium tetraborate (<1%)<br>CAS#: 1330-43-4 | Man<br>LD <sub>Lo</sub>   | 709 mg/kg     | None reported | <b>Behavioral</b><br>Convulsions or effect on seizure threshold<br><b>Cardiac</b><br>Pulse rate<br><b>Gastrointestinal</b><br>Nausea or vomiting | RTECS  |
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5       | Human<br>TD <sub>Lo</sub> | 500 mg/kg     | None reported | <b>Behavioral</b><br>Depressed respiration   | RTECS  |

**Inhalation (Vapor) Exposure Route**

| Chemical name                           | Endpoint type             | Reported dose | Exposure time | Toxicological effects  | Key literature references and sources for data |
|---|---------------------------|---------------|---------------|--|--|
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5 | Human<br>TC <sub>Lo</sub> | 30 mg/L       | 4 hours       | <b>Peripheral Nerve and Sensation</b><br>Recording from afferent nerve | RTECS  |

**STOT - repeated exposure**

Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Specific Target Organ Toxicity Repeat Exposure Data**

Test data reported below.

**Oral Exposure Route**

| Chemical name                                 | Endpoint type           | Reported dose | Exposure time | Toxicological effects   | Key literature references and sources for data |
|---|-------------------------|---------------|---------------|---|--|
| Disodium tetraborate (<1%)<br>CAS#: 1330-43-4 | Rat<br>TD <sub>Lo</sub> | 70000 mg/kg   | 90 days       | <b>Brain and Coverings</b><br>Weight loss<br><b>Chronic</b><br>Changes in testicular weight<br><b>Nutritional and Gross</b><br><b>Metabolic</b><br>Weight loss or decreased weight gain | RTECS  |
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5       | Man<br>TD <sub>Lo</sub> | 4623000 mg/kg | 4380 days     | <b>Brain and Coverings</b><br>Other degenerative changes  | RTECS  |

**Carcinogenicity**

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Based on available data, the classification criteria are not met.

**Mixture**

No data available.

**Ingredient Carcinogenicity Data**

Test data reported below.

| Chemical name                   | CAS No    | ACGIH | IARC    | NTP   | OSHA |
|---------------------------------|-----------|-------|---------|-------|------|
| Disodium tetraborate            | 1330-43-4 | -     | -       | -     | -    |
| Didecyldimethylammonium bromide | 2390-68-3 | -     | -       | -     | -    |
| Ethyl alcohol                   | 64-17-5   | A3    | Group 1 | Known | X    |

**Legend**

|  |                |
|--|----------------|
| <b>ACGIH (American Conference of Governmental Industrial Hygienists)</b> | Does not apply |
| <b>IARC (International Agency for Research on Cancer)</b>                | Does not apply |
| <b>NTP (National Toxicology Program)</b>                                 | Does not apply |
| <b>OSHA</b>  | Does not apply |

**Oral Exposure Route**

| Chemical name                           | Endpoint type | Reported dose | Exposure time | Toxicological effects  | Key literature references and sources for data |
|---|---------------|---------------|---------------|--|--|
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5 | Mouse         | 320 mg/kg     | 50 weeks      | <b>Blood</b><br>Lymphoma (including Hodgkin's disease)<br><b>Liver</b><br>Tumors | RTECS  |

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Mixture invitro Data**

No data available.

**Substance invitro Data**

Test data reported below.

| Chemical name                           | Test                      | Cell Strain      | Reported dose | Exposure time | Results                               | Key literature references and sources for data |
|---|---------------------------|------------------|---------------|---------------|---------------------------------------|--|
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5 | Sister chromatid exchange | Human lymphocyte | 500 mg/L      | 72 hours      | Positive test result for mutagenicity | RTECS  |

**Mixture invivo Data**

No data available.

**Substance invivo Data**

Test data reported below.

**Oral Exposure Route**

| Chemical name                                 | Test                | Species                 | Reported dose | Exposure time | Results                               | Key literature references and sources for data |
|---|---------------------|-------------------------|---------------|---------------|---------------------------------------|--|
| Disodium tetraborate (<1%)<br>CAS#: 1330-43-4 | Specific locus test | Drosophila melanogaster | 795 mg/L      | None reported | Positive test result for mutagenicity | RTECS  |

|  |                   |       |              |         |                                       |       |
|--|-------------------|-------|--------------|---------|---------------------------------------|-------|
| Ethyl alcohol<br>(<0.01%)<br>CAS#: 64-17-5 | Micronucleus test | Human | 817600 mg/kg | 6 years | Positive test result for mutagenicity | RTECS |
|--|-------------------|-------|--------------|---------|---------------------------------------|-------|

**Reproductive toxicity**

Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

**Mixture**

No data available.

**Ingredient Reproductive Toxicity Data**

Test data reported below.

**Oral Exposure Route**

| Chemical name                                 | Endpoint type          | Reported dose | Exposure time | Toxicological effects   | Key literature references and sources for data |
|---|------------------------|---------------|---------------|---|--|
| Disodium tetraborate (<1%)<br>CAS#: 1330-43-4 | Rat TD <sub>Lo</sub>   | 70000 mg/kg   | 90 days       | <b>Paternal Effects</b><br>Epididymis<br>Fallopian tubes<br>Ovaries<br>Sperm duct<br>testes<br><b>Maternal Effects</b>                  | RTECS  |
| Ethyl alcohol (<0.01%)<br>CAS#: 64-17-5       | Woman TD <sub>Lo</sub> | 4676280 mg/kg | 100 days      | <b>Effects on Newborn</b><br>Delayed effects<br><b>Specific Developmental Abnormalities</b><br>Craniofacial (including nose and tongue) | RTECS  |

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Based on available data, the classification criteria are not met.

**Unknown aquatic toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Mixture**

**Aquatic Acute Toxicity**

No data available.

**Aquatic Chronic Toxicity**

No data available.

**Substance**

**Aquatic Acute Toxicity**

Test data reported below.

**Fish**

| Chemical name                    | Exposure time | Species       | Endpoint type    | Reported dose | Key literature references and sources for data |
|----------------------------------|---------------|---------------|------------------|---------------|--|
| Didecyldimethylamm onium bromide | 96 hours      | None reported | LC <sub>50</sub> | 1.100 mg/L    | ECOSARS  |

|                             |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|
| (<0.01%)<br>CAS#: 2390-68-3 |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|

**Crustacea**

| Chemical name  | Exposure time | Species       | Endpoint type    | Reported dose | Key literature references and sources for data |
|--|---------------|---------------|------------------|---------------|--|
| Didecyldimethylamm<br>onium bromide<br>(<0.01%)<br>CAS#: 2390-68-3 | 48 Hours      | None reported | LC <sub>50</sub> | 0.799 mg/L    | ECOSARS  |

**Algae**

| Chemical name  | Exposure time | Species       | Endpoint type    | Reported dose | Key literature references and sources for data |
|--|---------------|---------------|------------------|---------------|--|
| Didecyldimethylamm<br>onium bromide<br>(<0.01%)<br>CAS#: 2390-68-3 | 96 hours      | None reported | EC <sub>50</sub> | 1.641 mg/L    | ECOSARS  |

**Aquatic Chronic Toxicity**

No data available.

**Persistence and degradability**

**Mixture**

No data available.

Bioaccumulation

There is no data for this product

**Mixture**

No data available.

**Partition coefficient**

No data available

**Mobility**

**Soil Organic Carbon-Water Partition Coefficient**

No data available

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging**

Do not reuse empty containers.

**US EPA Waste Number**

Not applicable

**Special instructions for disposal**

Open cold water tap completely, slowly pour the material to the drain. Flush system with plenty of water.

**14. TRANSPORT INFORMATION**

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**DOT** Not regulated  
**TDG** Not regulated  
**IATA** Not regulated  
**IMDG** Not regulated

#### Additional information

### 15. REGULATORY INFORMATION

#### National Inventories

**TSCA** Complies  
**DSL/NDSL** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### International Inventories

**EINECS/ELINCS** Complies  
**ENCS** Complies  
**IECSC** Complies  
**KECL - Existing substances** Complies  
**PICCS** Complies  
**TCSI** Complies  
**AICS** Complies  
**NZIoC** Complies

**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  
**TCSI** - Taiwan Chemical Substances Inventory  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

#### 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

##### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | 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  |

##### 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)

##### 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

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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

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical name                  | California Proposition 65   |
|--------------------------------|-----------------------------|
| Ethyl alcohol (CAS #: 64-17-5) | Carcinogen<br>Developmental |



**WARNING:** This product can expose you to chemicals including Ethyl alcohol, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information, go to <http://www.P65Warnings.ca.gov>

**IMERC:** Not applicable

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

This product may contain substances regulated by state right-to-know regulations.

| Chemical name                     | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| Disodium tetraborate<br>1330-43-4 | X          | X             | X            |
| Ethyl alcohol<br>64-17-5          | X          | X             | X            |

#### U.S. EPA Label Information

| Chemical name        | FIFRA                | FDA             |
|----------------------|----------------------|-----------------|
| Disodium tetraborate | 180.0920<br>180.1121 | -               |
| Ethyl alcohol        | 180.0910             | 21 CFR 184.1293 |

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

#### Special Comments

None

#### Additional information

##### Global Automotive Declarable Substance List (GADSL)

| Chemical name                                | Global Automotive Declarable Substance List Classifications | Global Automotive Declarable Substance List Thresholds |
|--|---|--|
| Disodium tetraborate<br>1330-43-4            | Declarable Substance (LR)<br>Prohibited Substance (LR)      | 0.1 %  |
| Didecyldimethylammonium bromide<br>2390-68-3 | Declarable Substance (LR)<br>Prohibited Substance (LR)      | None reported  |

#### NFPA and HMIS Classifications

|             |                           |                         |                             |   |
|-------------|---------------------------|-------------------------|-----------------------------|---|
| <b>NFPA</b> | <b>Health hazards - 0</b> | <b>Flammability - 0</b> | <b>Instability - 0</b>      | <b>Physical and chemical properties -</b> |
| <b>HMIS</b> | <b>Health hazards - *</b> | <b>Flammability - 0</b> | <b>Physical hazards - 0</b> | <b>Personal protection -</b><br>X<br>-1   |

**Key or legend to abbreviations and acronyms used in the safety data sheet**

|             |   |
|-------------|---|
| ACGIH       | ACGIH (American Conference of Governmental Industrial Hygienists)                           |
| ATSDR       | ATSDR (Agency for Toxic Substances and Disease Registry)                                    |
| CCRIS       | CCRIS (Chemical Carcinogenesis Research Information System)                                 |
| CDC         | CDC (Center for Disease Control)  |
| CEPA        | CEPA (Canadian Environmental Protection Agency)   |
| CICAD       | CICAD (Concise International Chemical Assessment Documents)                                 |
| ECHA        | ECHA (The European Chemicals Agency)  |
| EEA         | EEA (European Environment Agency)   |
| EPA         | EPA (Environmental Protection Agency)   |
| ERMA        | ERMA (New Zealand's Environmental Risk Management Authority)                                |
| ECOSARS     | Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™     |
| FDA         | FDA (Food & Drug Administration)  |
| GESTIS      | GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance) |
| HSDB        | HSDB (Hazardous Substances Data Bank)   |
| INERIS      | INERIS (The National Industrial Environment and Risks Institute)                            |
| IPCS INCHEM | IPCS INCHEM (International Programme on Chemical Safety)                                    |
| IUCLID      | IUCLID (The International Uniform Chemical Information Database)                            |
| NITE        | Japan National Institute of Technology and Evaluation (NITE)                                |
| NIH         | NIH (National Institutes of Health)   |
| NIOSH       | NIOSH (National Institute for Occupational Safety and Health)                               |
| LOLI        | LOLI (List of Lists - An International Chemical Regulatory Database)                        |
| NDF         | no data   |
| NICNAS      | Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)         |
| NIOSH IDLH  | Immediately Dangerous to Life or Health   |
| OSHA        | OSHA (Occupational Safety and Health Administration of the US Department of Labor)          |
| PEEN        | PEEN (Pan European Ecological Network)  |
| RTECS       | RTECS (Registry of Toxic Effects of Chemical Substances)                                    |
| SIDS        | SIDS (Screening Information Dataset) for High Volume Chemicals                              |
| SYKE        | The Finnish Environment Institute (SYKE)  |
| USDA        | USDA (United States Department of Agriculture)  |
| USDC        | USDC (United States Department of Commerce)   |
| WHO         | WHO (World Health Organization)   |

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|      |                                 |         |   |
|------|---------------------------------|---------|---|
| TWA  | TWA (time-weighted average)     | STEL    | STEL (Short Term Exposure Limit)  |
| MAC  | Maximum Allowable Concentration | Ceiling | Ceiling Limit Value   |
| X    | Listed                          | Vacated | These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations. |
| SKN* | Skin designation                | SKN+    | Skin sensitization  |
| RSP+ | Respiratory sensitization       | **      | Hazard Designation  |
| C    | Carcinogen                      | R       | Reproductive toxicant   |
| M    | mutagen                         |         |   |

**Product Code(s)** S11M006  
**Issue Date** 09-Apr-2019  
**Version** 1.5

**Product Name** pH 9.180 IUPAC pH Standard  
**Revision Date** 08-Feb-2023  
**Page** 15 / 15

**Issue Date** 09-Apr-2019

**Revision Date** 08-Feb-2023

**Revision Note** None

**Disclaimer**

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

**End of Safety Data Sheet**