

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : GREEN'R RINSE SOLID  
 Product code : 180291

#### 1.2. Other means of identification

No additional information available

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

Use of the substance/mixture : Rinse aid  
 Restrictions on use : For professional use only

#### 1.4. Supplier's details

Christeyns North America, LLC  
 311 Staton Road  
 Greenville, NC 27834  
 USA  
 T 252-756-8616 / 800.869.6171  
[info@christeyns.us](mailto:info@christeyns.us) - [www.christeyns.com](http://www.christeyns.com)

#### 1.5. Emergency phone number

Emergency number : VELOCITY EHS (800) 255-3924 (24 HOURS)  
 (For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.  
 Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.  
 Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
 Hazard statements (GHS US) : H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5	3 - 7
2-phosphonobutane-1,2,4-tricarboxylic acid	CAS-No.: 37971-36-1	1 - 5
Sodium hydroxide	CAS-No.: 1310-73-2	0.1 - 1

Full text of hazard classes and H-statements : see section 16

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Get medical attention if symptoms occur.

First-aid measures after skin contact : Rinse skin with plenty of water or shower. If irritation persists, get medical attention.

First-aid measures after eye contact : Rinse immediately with water for 15 minutes, occasionally lifting upper and lower eyelids. Remove contact lenses, if present, and easy to do. Continue rinsing. Get medical attention immediately.

First-aid measures after ingestion : Rinse mouth with water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/injuries after eye contact : Risk of serious permanent damages to eyes if the product is not rapidly removed.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Do not use a water jet as this can spread the fire and may cause the splattering of corrosive liquid.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Toxic fumes may be released.

Hazardous decomposition products in case of fire : Decomposition products may include carbon oxides.

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### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. In case of fire, do not breathe fumes. Move containers from the fire area if you can do so without risk. Prevent firefighting water from entering the environment.
- Protection during firefighting : Wear a self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.

## SECTION 6 Accidental release measures

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

#### For non-emergency personnel

- Protective equipment : For spills or leaks, contact a supervisor and/or emergency responder. Avoid contact with spilled material and keep unnecessary personnel away.

#### For emergency responders

- Protective equipment : See Section 8 for recommended personal protective equipment. Ventilate the area and restrict access to the spill or leak zone. Have emergency procedures in place for treating exposures or incidents. Only trained and authorized personnel equipped with proper protective equipment should perform cleanup.

- Environmental precautions : Avoid release onto the ground, into storm sewers, or bodies of water.

### 6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Collect all waste in suitable, labeled, and closed containers. Dispose according to local registration (See Section 13).

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practices. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use appropriate personal protection equipment (PPE). Wash thoroughly after handling.

### 7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store upright in a tightly closed, suitably labeled container. Store in a dry, cool, well-ventilated area with appropriate designated containment measures. Keep out of reach of children. Have readily available spill kits with appropriate absorbent materials. Protect from sunlight. Store in original labeled containers.
- Incompatible products : Keep away from strong acids, strong bases, flammables/combustibles, oxidizers, and reactive metals (aluminum, zinc, magnesium, iron filings).

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### Sodium hydroxide (1310-73-2)

#### USA - ACGIH® - Threshold Limit Values

Local name	Sodium hydroxide
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Sodium hydroxide (1310-73-2)	
ACGIH® TLV® C	2 mg/m <sup>3</sup>
Remark (ACGIH®)	TLV® Basis: Eye, Skin & URT irr
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Sodium hydroxide
OSHA PEL TWA	2 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Sodium hydroxide
NIOSH REL (Ceiling)	2 mg/m <sup>3</sup>
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable guidelines, use only with adequate ventilation. Eye wash facilities and emergency showers must be available when handling this product.

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

<b>Materials for protective clothing:</b>
Wear suitable protective clothing. Long sleeved protective clothing.
<b>Hand protection:</b>
Chemical resistant PVC gloves
<b>Eye protection:</b>
Safety glasses with side shields.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Solid
Color	: Blue
Odor	: Characteristic
Odor threshold	: No data available
pH	: 5 – 7
pH solution concentration	: 10 %
Melting point	: No data available
Freezing point	: Not relevant due to the nature of the product
Boiling point	: No data available
Flash point	: Not relevant due to the nature of the product
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: ≈ 0.901 g/ml
Solubility	: Soluble in water.

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Log Pow	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable
Particle characteristics	: No data available

### Isotridecanol, ethoxylated

Particle characteristics	No data available
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### 2-phosphonobutane-1,2,4-tricarboxylic acid

Particle characteristics	No data available
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### Sodium hydroxide

Particle characteristics	No data available
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## 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Not reactive under normal conditions of use, storage, and transport.

### 10.2. Chemical stability

Stable under recommended storage and handling conditions. Avoid contamination or exposure to extreme temperatures.

### 10.3. Possibility of hazardous reactions

Mixing with incompatible materials (acids/bases or oxidizers) may cause exothermic reactions or gas release.

### 10.4. Conditions to avoid

Avoid contact with incompatible materials, heat, and direct sunlight. Avoid mixing with other cleaning products.

### 10.5. Incompatible materials

Incompatible with strong oxidizing agents, strong acids, and strong bases.

### 10.6. Hazardous decomposition products

Thermal decomposition may produce carbon oxides (CO, CO<sub>2</sub>) and irritating/toxic vapors.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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<b>Isotridecanol, ethoxylated (69011-36-5)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≈ 5960 mg/kg body weight Animal: rabbit, Animal sex: male

<b>2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)</b>	
LD50 oral rat	> 4000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rat	> 4000 mg/kg Source: OECD Screening Information Data Set
LC50 Inhalation - Rat	> 1.979 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Vapors)	> 1.979 mg/l Source: OECD Screening Information Data Set

<b>Sodium hydroxide (1310-73-2)</b>	
LD50 oral rat	140 – 340 mg/kg
LD50 dermal rabbit	1350 mg/kg Source: NCIS

Skin corrosion/irritation	: Causes skin irritation. pH: 5 – 7
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 – 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

<b>Isotridecanol, ethoxylated (69011-36-5)</b>	
NOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified

<b>GREEN'R RINSE SOLID</b>	
Viscosity, kinematic	Not applicable

<b>Isotridecanol, ethoxylated (69011-36-5)</b>	
Viscosity, kinematic	No data available

<b>2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)</b>	
Viscosity, kinematic	No data available

<b>Sodium hydroxide (1310-73-2)</b>	
Viscosity, kinematic	1.878 mm <sup>2</sup> /s

Symptoms/injuries after eye contact : Risk of serious permanent damages to eyes if the product is not rapidly removed.

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### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

##### Isotridecanol, ethoxylated (69011-36-5)

LC50 - Fish [1]	12.76 mg/l Source: EPISUITE v4.1
EC50 72h - Algae [1]	3.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	11.5 mg/l Source: EPISUITE v4.1

##### 2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)

LC50 - Fish [1]	1880000 mg/l Source: Ecological Structure Activity Relationships
EC50 72h - Algae [1]	140 mg/l Source: OECD Screening Information Data Set
EC50 72h - Algae [2]	140 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	329 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	104 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

##### Sodium hydroxide (1310-73-2)

LC50 - Fish [1]	35 mg/l
EC50 - Crustacea [1]	40.4 mg/l Source: ECHA

#### 12.2. Persistence and degradability

##### GREEN'R RINSE SOLID

Persistence and degradability	No data available.
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##### Isotridecanol, ethoxylated (69011-36-5)

Persistence and degradability	Not rapidly degradable
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##### 2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)

Persistence and degradability	Not rapidly degradable
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##### Sodium hydroxide (1310-73-2)

Persistence and degradability	Not rapidly degradable
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#### 12.3. Bioaccumulative potential

##### GREEN'R RINSE SOLID

Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Bioaccumulative potential	No data available.

##### 2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)

Log Pow	-1.36 Source: Quantitative Structure Activity Relation
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### Sodium hydroxide (1310-73-2)

Log Pow	-3.88 Source: SRC
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### 12.4. Mobility in soil

#### Isotridecanol, ethoxylated (69011-36-5)

Mobility in soil	111.3 Source: EPISUITE v4.1
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#### 2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)

Mobility in soil	0.3212 Source: EPI Suite
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### 12.5. Other adverse effects

No additional information available

## SECTION 13 Disposal considerations

Regional legislation (waste)	: Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/regulations. Do not reuse empty containers.
Waste treatment methods	: Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment.

## SECTION 14 Transport information

In accordance with DOT

### DOT

#### 14.1. UN number

Not regulated for transport

#### 14.2. Proper Shipping Name

Not regulated

#### 14.3. Transport hazard class(es)

Not regulated

#### 14.4. Packing group

Not regulated

#### 14.5. Environmental hazards

Not regulated

No supplementary information available

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

Not regulated

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### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### Sodium hydroxide (1310-73-2)

CERCLA RQ	1000 lb
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#### 15.2. International regulations

No additional information available

#### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Sodium hydroxide(1310-73-2)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 5/15/2026

Issue date : 10/1/2025

#### Full text of hazard classes and H-statements

H315	Causes skin irritation
H318	Causes serious eye damage

Safety Data Sheet (SDS), USA ML

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.