

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : FLO-RIGHT  
Product code : 1316

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Alkali  
Recommended use : Laundry  
Restrictions on use : For professional use only

#### 1.3. Supplier

UNX-Christeyns, LLC  
707 E Arlington Blvd.  
Greenville, NC 27858  
USA  
T 252-756-8616 / 800.869.6171  
[www.unxchristeyns.com](http://www.unxchristeyns.com) - [info@unxchristeyns.com](mailto:info@unxchristeyns.com)

#### 1.4. Emergency telephone 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(s) identification

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

##### GHS US classification

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (dermal), Category 4	H312	Harmful in contact with skin.
Skin corrosion/irritation, Category 1	H314	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Full text of H statements : see section 16		

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H290 - May be corrosive to metals  
H302+H312 - Harmful if swallowed or in contact with skin  
H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage

Precautionary statements (GHS US) :

P234 - Keep only in original packaging.  
P260 - Do not breathe dust, fume, gas, mist, vapors, spray.

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P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.  
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
P302+P352 - If on skin: Wash with plenty of water.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P312 - Call a poison center or doctor if you feel unwell.  
P330 - Rinse mouth.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Take off immediately all contaminated clothing and wash it before reuse.  
P390 - Absorb spillage to prevent material-damage.  
P405 - Store locked up.  
P406 - Store in a corrosion resistant container with a resistant inner liner.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Sodium Hydroxide	CAS-No.: 1310-73-2	10-30
Sodium Metasilicate, Hydrate	CAS-No.: 10213-79-3	1-5
Tetrasodium ethylenediamine tetraacetate EDTA	CAS-No.: 64-02-8	1-5

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

### SECTION 4: First-aid measures

#### 4.1. Description of 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.

First-aid measures after eye contact : Rinse cautiously with water for 15 minutes; Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, call a physician.

First-aid measures after ingestion : Call a poison center or doctor if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

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### SECTION 5: Fire-fighting measures

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

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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

No additional information available

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

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

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

#### 6.2. Environmental precautions

Avoid release to the environment. Collect all waste in suitable and labeled containers and dispose according to local legislation.

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

Other information : Dispose of materials or solid residues at an authorized site.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Use appropriate personal protection equipment (PPE).

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

Storage conditions : Store in a dry place. Store in a closed container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### FLO-RIGHT

##### USA - ACGIH - Occupational Exposure Limits

Local name	Sodium hydroxide
ACGIH OEL Ceiling	2 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2024

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<b>FLO-RIGHT</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
OSHA PEL TWA	2 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Sodium Hydroxide (1310-73-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
ACGIH OEL Ceiling	2 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
OSHA PEL TWA	2 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (Ceiling)	2 mg/m <sup>3</sup>
<b>USA - AIHA - Occupational Exposure Limits</b>	
WEEL STEL	2 mg/m <sup>3</sup>
<b>Sodium Metasilicate, Hydrate (10213-79-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA	25 ppm
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA	50 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.
Environmental exposure controls	: Store chemicals in designated areas with appropriate containment measures (e.g. spill trays, secondary containment). Have readily available spill kits with appropriate absorbent materials.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
Chemical resistant PVC gloves
<b>Eye protection:</b>
Safety Glasses . FaceShield.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: No data available
Odor threshold	: No data available
pH	: 13 – 14
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 9.31 lb/gal
Solubility	: No data available
Log Pow	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Not classified

FLO-RIGHT	
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight

Sodium Hydroxide (1310-73-2)	
LD50 oral rat	140 – 340 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE US (oral)	140 mg/kg body weight
ATE US (dermal)	1350 mg/kg body weight

Sodium Metasilicate, Hydrate (10213-79-3)	
LD50 oral rat	874 mg/kg
ATE US (oral)	874 mg/kg body weight

Tetrasodium ethylenediamine tetraacetate EDTA (64-02-8)	
LD50 oral	1780 mg/kg body weight
ATE US (oral)	1780 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.  
pH: 13 – 14  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 13 – 14  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

Sodium Metasilicate, Hydrate (10213-79-3)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Sodium Hydroxide (1310-73-2)	
LC50 - Fish [1]	160 mg/l 24 hours freshwater, static
EC50 - Crustacea [1]	40.4 mg/l 48 hours

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### Tetrasodium ethylenediamine tetraacetate EDTA (64-02-8)

EC50 72h - Algae [1]	100 mg/l Source: IUCLID
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### 12.2. Persistence and degradability

#### FLO-RIGHT

Persistence and degradability	No data available.
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#### Sodium Metasilicate, Hydrate (10213-79-3)

Persistence and degradability	Not rapidly degradable
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#### Tetrasodium ethylenediamine tetraacetate EDTA (64-02-8)

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

#### FLO-RIGHT

Bioaccumulative potential	No data available.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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 applicable

#### 14.2. Proper Shipping Name

Corrosive liquids, n.o.s. (SODIUM HYDROXIDE)

#### Transport document description

UN1760 Corrosive liquids, n.o.s. SODIUM HYDROXIDE, 8, II

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

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### DOT



#### 14.4. Packing group

II

#### 14.5. Environmental hazards

Dangerous for the environment: No

No supplementary information available

#### 14.6. Special precautions for user

##### DOT

UN-No. (DOT) : UN1760

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### FLO-RIGHT

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ

1000 lb

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

Sodium Metasilicate, Hydrate

CAS-No. 10213-79-3

1-5%

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

#### 15.2. International regulations

No additional information available



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### 15.3. US State regulations

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State or local regulations

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

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

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Revision date : 2/21/2025

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

H290 May be corrosive to metals

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

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.