

## SECTION 1 Identification

### 1.1. Product identifier

Product form : Mixture  
Product name : Potassium Hydroxide 20%  
Product code : all sizes of 3395 & 3395D

### 1.2. Other means of identification

Synonyms : Potassium Hydroxide 20%

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

Use of the substance/mixture : For laboratory and manufacturing use only, For professional use only  
Restrictions on use : Not for food, drug or household use

### 1.4. Supplier's details

Ethos Biosciences, Inc.  
2070 Center Square Road  
Logan Township, New Jersey 08085  
United States  
T +1-856-224-0900; +1-800-441-0366 Technical Service; Monday-Friday: 8:00 AM-5:00 PM, Eastern US Time  
[www.ethosbiosciences.com](http://www.ethosbiosciences.com)

### 1.5. Emergency phone number

Emergency number : 800-424-9300 CHEMTREC (USA) -- 24 Hours/Day, 7 Days/Week

## SECTION 2 Hazard 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.                    |
| 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. Label elements

#### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H290 - May be corrosive to metals  
H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS US) : P234 - Keep only in original packaging.  
P260 - Do not breathe dusts or mists.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective clothing, eye and face protection, protective gloves.

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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.  
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.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P363 - Take off immediately all contaminated clothing and wash it before reuse.  
P390 - Absorb spillage to prevent material-damage.  
P405 - Store locked up.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                | Product identifier | Conc. | GHS US classification                                                                     |
|---------------------|--------------------|-------|-------------------------------------------------------------------------------------------|
| water               | CAS-No.: 7732-18-5 | 80    | Not classified                                                                            |
| potassium hydroxide | CAS-No.: 1310-58-3 | 20    | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |

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 general
- First-aid measures after inhalation
- First-aid measures after skin contact
- First-aid measures after eye contact
- First-aid measures after ingestion
- Personal protection for first-aid responders.
- : Call a physician immediately.
- : Remove person to fresh air and keep comfortable for breathing.
- : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
- : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- : First aid workers will be equipped with suitable personal protective equipment.

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

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : Burns.                        |
| Symptoms/effects after eye contact  | : Serious damage to eyes.       |
| Symptoms/effects after ingestion    | : Harmful if swallowed. Burns.  |

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

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

## SECTION 5: Fire-fighting measures

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

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Specific hazards arising from the chemical

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

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

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6 Accidental release measures

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

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

#### For non-emergency personnel

|                      |                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                            |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. |

#### For emergency responders

|                           |                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment      | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures      | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |
| Environmental precautions | : Avoid release to the environment.                                                                                                                         |

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

|                                              |                                                                                                                                                                                       |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment                              | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. |
| Methods for cleaning up                      | : Take up liquid spill into absorbent material.                                                                                                                                       |
| Other information                            | : Dispose of materials or solid residues at an authorized site.                                                                                                                       |
| For further information refer to section 13. |                                                                                                                                                                                       |

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### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

|                                   |                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling     | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.<br>Always wash hands after handling the product.                      |
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                           |

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

|                                    |                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Technical measures                 | : Keep in a cool, well-ventilated place away from heat.                                                                     |
| Storage conditions                 | : Store in corrosive resistant container with a resistant inner liner. Keep only in original container.<br>Store locked up. |
| Incompatible materials for storage | : Metals.                                                                                                                   |
| Packaging materials                | : Always store product in container of same material as original container.                                                 |

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

| potassium hydroxide (1310-58-3)       |                                  |
|---------------------------------------|----------------------------------|
| USA - ACGIH® - Threshold Limit Values |                                  |
| Local name                            | Potassium hydroxide              |
| ACGIH® TLV® C                         | 2 mg/m³                          |
| Remark (ACGIH®)                       | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference                  | ACGIH 2024                       |

#### 8.2. Appropriate engineering controls

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

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

**Personal protective equipment:**  
Wear recommended personal protective equipment.

|                                                                          |
|--------------------------------------------------------------------------|
| <b>Hand protection:</b>                                                  |
| Protective gloves                                                        |
| <b>Eye protection:</b>                                                   |
| Safety glasses                                                           |
| <b>Skin and body protection:</b>                                         |
| Wear suitable protective clothing                                        |
| <b>Respiratory protection:</b>                                           |
| In case of insufficient ventilation, wear suitable respiratory equipment |

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### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Physical state                                  | : Liquid                                                                                            |
| Color                                           | : Colorless                                                                                         |
| Odor                                            | : No data available                                                                                 |
| Odor threshold                                  | : No data available                                                                                 |
| pH                                              | : $\geq 13$                                                                                         |
| Melting point                                   | : No data available                                                                                 |
| Freezing point                                  | : No data available                                                                                 |
| Boiling point                                   | : No data available                                                                                 |
| Flash point                                     | : No data available                                                                                 |
| Flammability (solid, gas)                       | : Not applicable.                                                                                   |
| Vapor pressure                                  | : No data available                                                                                 |
| Relative vapor density at 20°C                  | : No data available                                                                                 |
| Relative density                                | : No data available                                                                                 |
| Density                                         | : 1.35 g/ml                                                                                         |
| Solubility                                      | : Water: Solubility in water of component(s) of the mixture :<br>• potassium hydroxide: 121 g/100ml |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                                                                 |
| Auto-ignition temperature                       | : No data available                                                                                 |
| Decomposition temperature                       | : No data available                                                                                 |
| Viscosity, kinematic                            | : 2.2 mm <sup>2</sup> /s                                                                            |
| Explosion limits                                | : No data available                                                                                 |
| Particle characteristics                        | : No data available                                                                                 |

#### potassium hydroxide

|                           |                          |
|---------------------------|--------------------------|
| Boiling point             | 1327 °C (1013 hPa)       |
| Flash point               | Not applicable (solid)   |
| Auto-ignition temperature | Not applicable           |
| Vapor pressure            | $\leq 0.01$ hPa (520 °C) |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

metals.

### 10.6. Hazardous decomposition products

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

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Potassium Hydroxide 20%

|               |                        |
|---------------|------------------------|
| ATE US (oral) | 1665 mg/kg body weight |
|---------------|------------------------|

#### potassium hydroxide (1310-58-3)

|               |                                                                                                                 |
|---------------|-----------------------------------------------------------------------------------------------------------------|
| LD50 oral rat | 333 – 388 mg/kg body weight (Equivalent or similar to OECD 425, Rat, Male, Experimental value, Oral, 14 day(s)) |
|---------------|-----------------------------------------------------------------------------------------------------------------|

|               |                       |
|---------------|-----------------------|
| ATE US (oral) | 333 mg/kg body weight |
|---------------|-----------------------|

Skin corrosion/irritation : Causes severe skin burns.  
pH:  $\geq 13$

#### potassium hydroxide (1310-58-3)

|    |                      |
|----|----------------------|
| pH | 13.5 (0.56 %, 25 °C) |
|----|----------------------|

Serious eye damage/irritation : Causes serious eye damage.  
pH:  $\geq 13$

#### potassium hydroxide (1310-58-3)

|    |                      |
|----|----------------------|
| pH | 13.5 (0.56 %, 25 °C) |
|----|----------------------|

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  
Aspiration hazard : Not classified

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|                      |                        |
|----------------------|------------------------|
| Viscosity, kinematic | 2.2 mm <sup>2</sup> /s |
|----------------------|------------------------|

#### potassium hydroxide (1310-58-3)

|                      |                        |
|----------------------|------------------------|
| Viscosity, kinematic | Not applicable (solid) |
|----------------------|------------------------|

Symptoms/effects after inhalation : None under normal conditions.  
Symptoms/effects after skin contact : Burns.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Harmful if swallowed. Burns.

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### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

|                                                           |                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|
| Ecology - general                                         | : Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                  |

#### 12.2. Persistence and degradability

| Potassium Hydroxide 20%         |                                   |
|---------------------------------|-----------------------------------|
| Persistence and degradability   | Not rapidly degradable            |
| potassium hydroxide (1310-58-3) |                                   |
| Persistence and degradability   | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)    | Not applicable (inorganic)        |
| ThOD                            | Not applicable (inorganic)        |
| water (7732-18-5)               |                                   |
| Persistence and degradability   | Not rapidly degradable            |

#### 12.3. Bioaccumulative potential

| potassium hydroxide (1310-58-3) |                      |
|---------------------------------|----------------------|
| Bioaccumulative potential       | Not bioaccumulative. |

#### 12.4. Mobility in soil

| potassium hydroxide (1310-58-3) |                                       |
|---------------------------------|---------------------------------------|
| Surface tension                 | No data available in the literature   |
| Ecology - soil                  | Low potential for adsorption in soil. |

#### 12.5. Other adverse effects

|                              |                  |
|------------------------------|------------------|
| Ozone                        | : Not classified |
| Fluorinated greenhouse gases | : No             |

### SECTION 13 Disposal considerations

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

### SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

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### 14.1. UN number

|               |          |
|---------------|----------|
| UN-No. (DOT)  | : UN1814 |
| UN-No. (TDG)  | : UN1814 |
| UN-No. (IMDG) | : 1814   |
| UN-No. (IATA) | : 1814   |

### 14.2. UN Proper Shipping Name

|                             |                                 |
|-----------------------------|---------------------------------|
| Proper Shipping Name (DOT)  | : Potassium hydroxide, solution |
| Proper Shipping Name (TDG)  | : POTASSIUM HYDROXIDE SOLUTION  |
| Proper Shipping Name (IMDG) | : POTASSIUM HYDROXIDE SOLUTION  |
| Proper Shipping Name (IATA) | : Potassium hydroxide solution  |

### 14.3. Transport hazard class(es)

#### DOT

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (DOT) | : 8 |
| Hazard labels (DOT)              | : 8 |



#### TDG

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (TDG) | : 8 |
| Hazard labels (TDG)              | : 8 |



#### IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 8 |
| Hazard labels (IMDG)              | : 8 |



#### IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 8 |
| Hazard labels (IATA)              | : 8 |



### 14.4. Packing group

|                      |      |
|----------------------|------|
| Packing group (DOT)  | : II |
| Packing group (TDG)  | : II |
| Packing group (IMDG) | : II |
| Packing group (IATA) | : II |

### 14.5. Environmental hazards

|                   |                                           |
|-------------------|-------------------------------------------|
| Other information | : No supplementary information available. |
|-------------------|-------------------------------------------|



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### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No. (DOT)                                                     | : UN1814                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DOT Special Provisions (49 CFR 172.102)                          | : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 1 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 30 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Vessel Stowage Other                                         | : 52 - Stow "separated from" acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

#### TDG

|                                                                             |          |
|-----------------------------------------------------------------------------|----------|
| UN-No. (TDG)                                                                | : UN1814 |
| Explosive Limit and Limited Quantity Index                                  | : 1 L    |
| Excepted quantities (TDG)                                                   | : E2     |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 1 L    |
| Emergency Response Guide (ERG) Number                                       | : 154    |

#### IMDG

|                                    |                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limited quantities (IMDG)          | : 1 L                                                                                                                                                                                     |
| Excepted quantities (IMDG)         | : E2                                                                                                                                                                                      |
| Packing instructions (IMDG)        | : P001                                                                                                                                                                                    |
| IBC packing instructions (IMDG)    | : IBC02                                                                                                                                                                                   |
| Tank instructions (IMDG)           | : T7                                                                                                                                                                                      |
| Tank special provisions (IMDG)     | : TP2                                                                                                                                                                                     |
| EmS-No. (Fire)                     | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE                                                                                                                                        |
| EmS-No. (Spillage)                 | : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES                                                                                                                                    |
| Stowage category (IMDG)            | : A                                                                                                                                                                                       |
| Segregation (IMDG)                 | : SGG18, SG35                                                                                                                                                                             |
| Properties and observations (IMDG) | : Colorless liquid. Reacts with ammonium salts, evolving ammonia gas. Corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids. |

#### IATA

|                                |            |
|--------------------------------|------------|
| Special provision (IATA)       | : A3, A803 |
| PCA Excepted quantities (IATA) | : E2       |
| PCA Limited quantities (IATA)  | : Y840     |

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|                                              |        |
|----------------------------------------------|--------|
| PCA limited quantity max net quantity (IATA) | : 0.5L |
| PCA packing instructions (IATA)              | : 851  |
| PCA max net quantity (IATA)                  | : 1L   |
| CAO packing instructions (IATA)              | : 855  |
| CAO max net quantity (IATA)                  | : 30L  |
| ERG code (IATA)                              | : 8L   |

### 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.

#### potassium hydroxide (1310-58-3)

|           |         |
|-----------|---------|
| CERCLA RQ | 1000 lb |
|-----------|---------|

#### 15.2. International regulations

##### CANADA

#### potassium hydroxide (1310-58-3)

Listed on the Canadian DSL (Domestic Substances List)

#### water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

#### potassium hydroxide (1310-58-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 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                                                                                                                            |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| potassium hydroxide(1310-58-3) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

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### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

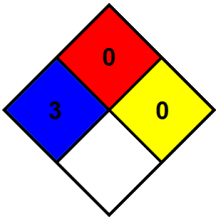
Revision date : 6/10/2026  
Issue date : 5/31/2024

| Full text of hazard classes and H-statements |                                         |
|----------------------------------------------|-----------------------------------------|
| H290                                         | May be corrosive to metals              |
| H302                                         | Harmful if swallowed                    |
| H314                                         | Causes severe skin burns and eye damage |
| H318                                         | Causes serious eye damage               |

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Safety Data Sheet (SDS), USA

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