## Safety Data Sheet



## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** 

Sodium Hydroxide Solution - 20%

Synonyms

Solutions of Caustic; Solutions of Caustic Soda; Solutions of Lye; Solutions of Sodium

hydrate

**CAS Number** 

• 1310-73-2

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified

\*Neutralizing agent, industrial cleaning, pulp and bleaching, soap manufacturing

use(s)

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

Manufacturer

P.O. Box 527

2468 Industrial Parkway Calvert City, KY 42029

United States www.westlake.com

Telephone (General) • 270-395-4151

## 1.4 Emergency telephone number

Manufacturer

• (800) 424-9300 - Chemtrec - Transportation emergency

## Section 2: Hazards Identification

## **EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

## 2.1 Classification of the substance or mixture

CLP

Skin Corrosion 1A - H314

DSD/DPD

• Corrosive (C)

R35

## 2.2 Label Elements

CLP

#### **DANGER**



Hazard statements • H314 - Causes severe skin burns and eye damage.

## Precautionary

statements

Prevention • P260 - Do not breathe mist/vapors/spray.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P310 - Immediately call a POISON CENTER or doctor/physician.

P363 - Wash contaminated clothing before reuse.

P321 - Specific treatment, see supplemental first aid information.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage/Disposal • P405 - Store locked up.

P501 - Dispose of content and/or container in accordance with local, regional, national,

and/or international regulations.

#### DSD/DPD



Risk phrases • R35 - Causes severe burns.

Safety phrases • S36 - Wear suitable protective clothing.

S37 - Wear suitable gloves.

S39 - Wear eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

CLP

According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

#### 2.1 Classification of the substance or mixture

**OSHA HCS 2012** 

Skin Corrosion 1B - H314
 Serious Eye Damage 1 - H318

## 2.2 Label elements

**OSHA HCS 2012** 

#### DANGER



Hazard statements • Causes severe skin burns and eye damage. - H314
Causes serious eye damage - H318

# Precautionary statements

Prevention • Do not breathe mist/vapors/spray. - P260

Wash thoroughly after handling. - P264

Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response • IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353

Immediately call a POISON CENTER or doctor/physician. - P310

Wash contaminated clothing before reuse. - P363

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. - P305+P351+P338

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+P330+P331

Storage/Disposal • Store locked up. - P405

Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations. - P501

## 2.3 Other hazards

**OSHA HCS 2012** 

 Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

#### Canada

According to WHMIS

## 2.1 Classification of the substance or mixture

WHMIS . Corrosive - E

## 2.2 Label elements

WHMIS



• Corrosive - E

#### 2.3 Other hazards

**WHMIS** • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

## 3.1 Substances

| Department of the control of the con |                       |  |   |  |  |
|--|-----------------------|--|---|--|--|
| Chemical Name  | Identifiers           | %  | Classifications According to Regulation/Directive |  |  |
|  | CAS:1310-73-2         |  | EU DSD/DPD: Annex VI, Table 3.2: C R35            |  |  |
| Sodium hydroxide   | EC Number:215-185-5   | 18% TO 23%   | EU CLP: Annex VI, Table 3.1: Skin Corr. 1A, H314  |  |  |
| plantary, conservation continuous services   | EU Index:011-002-00-6 | (2) - 1, 150 m m m m m m m m m m m m m m m m m m m | OSHA HCS 2012: Skin Corr. 1B; Eye Dam. 1          |  |  |

#### 3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

#### Section 4 - First Aid Measures

## 4.1 Description of first aid measures

 Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing. Move victim to fresh air.

Skin

 For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes.

Eve

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion

# If swallowed, rinse mouth with water (only if the person is conscious) Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Obtain medical attention immediately if ingested.

## 4.2 Most important symptoms and effects, both acute and delayed

• Refer to Section 11 - Toxicological Information.

## 4.3 Indication of any immediate medical attention and special treatment needed

Notes to **Physician**   All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

## 5.1 Extinguishing media

Suitable Extinguishing win case of fire use media as appropriate for surrounding fire. Media

Unsuitable

No data available

Extinguishing Media

#### 5.2 Special hazards arising from the substance or mixture

Unusual Fire and **Explosion Hazards**  • In contact with moisture or water sufficient heat may be generated to ignite adjacent combustible materials.

Sodium hydroxide solutions can react violently when in contact with chlorinated hydrocarbons and metals such as aluminum, zinc or materials galvanized with zinc with resultant generation of hydrogen.

Hazardous **Combustion Products**   Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive fumes.

#### 5.3 Advice for firefighters

 Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Wear positive pressure self-contained breathing apparatus (SCBA). SMALL FIRES: Move containers from fire area if you can do it without risk.

## Section 6 - Accidental Release Measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

 Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

Emergency Procedures • Keep unauthorized personnel away. Stay upwind. Do not get water inside container.

## 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

## 6.3 Methods and material for containment and cleaning up

Measures

Containment/Clean-up • Absorb with earth, sand or other non-combustible material. Transfer the spilled material to caustic resistant containers labeled: CORROSIVE With careful handling, dilute acid, preferable acetic acid, may be used to neutralize final traces of caustic.

Flush the cleaned area with water.

LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

#### 6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

## 7.1 Precautions for safe handling

Handling • Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage 💌 Keep container tightly closed. Store in a cool/low-temperature, well-ventilated place. Store separate from the normal work area and away from materials that react with sodium hydroxide. Use corrosion resistant structural materials and lighting and ventilation systems in the storage area.

#### 7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses

## Section 8 - Exposure Controls/Personal Protection

#### 8.1 Control parameters

| Exposure Limits/Guldelines |          |                |       |                 |                 |
|----------------------------|----------|----------------|-------|-----------------|-----------------|
|                            | Result   |                | ACGIH | NIOSH           | OSHA            |
| Sodium hydroxide           | TWAs     | Not establishe | d     | Not established | 2 mg/m3 TWA     |
| (1310-73-2)                | Ceilings | 2 mg/m3 Ceili  | ng    | 2 mg/m3 Celling | Not established |

## 8.2 Exposure controls

Engineering Measures/Controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal Protective Equipment

Respiratory

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

• Wear eye/face protection - Chemical goggles, - Full face shield.

Skin/Body

Wear appropriate gloves. Wear protective clothing

**Environmental** 

Follow best practice for site management and disposal of waste.

## **Exposure Controls**

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

## 9.1 Information on Physical and Chemical Properties

| Material Description   |  |  | A.A.E.E.   |  |
|--|--|--|--|--|
| Physical Form  | Liquid                                 | Appearance/Description   | Water white, semi-viscous liquid with a mild, slightly pungent odor  |  |
| Color  | Water White                            | Odor   | Mild, slightly pungent.  |  |
| Odor Threshold   | Data lacking                           |  | TALL TO THE CONTROL OF T  |  |
| General Properties   |  | 930 14 Hamilton III  |  |  |
| Boiling Point  | 108 C(226.4 F)                         | Melting Point  | Data lacking   |  |
| Decomposition Temperature  | Data lacking                           | рH   | 14   |  |
| Specific Gravity/Relative Density  | 1.223 Water=1 @ 15.6 C(60.08F)         | Water Solubility   | Soluble  |  |
| Viscosity  | Data lacking                           | Explosive Properties   | Data lacking   |  |
| Oxidizing Properties:  | Data lacking                           |  |  |  |
| Volatility   | 144a. ; : 4.121 [1.121 [1.121 [1.12] a | Similar and the control of the contr |  |  |
| Vapor Pressure   | 1 psia @ 43 F(109.4 C)                 | Vapor Density  | Data lacking   |  |
| Evaporation Rate   | Data lacking                           | Volatiles (Vol.)   | 77 to 82 %   |  |
| Flammability   |  |  |  |  |
| Flash Point  | Data lacking                           | ŬEL  | Data lacking   |  |
| LEL STATE OF THE S | Data lacking                           | Autoignition   | Data lacking   |  |
| Flammability (solid, gas)  | Not relevant.                          |  |  |  |
| Environmental  |  |  |  |  |
| Octanol/Water Partition coefficient  | Data lacking                           |  | A Committee in the factor of the committee of the committ |  |

#### 9.2 Other Information

No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

## 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

Stable

## 10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

#### 10.4 Conditions to avoid

Incompatible materials. Excess heat.

## 10.5 Incompatible materials

\* This product reacts with water generating heat. This product reacts violently or explosively with chlorinated hydrocarbons. It attacks leather and wool resulting in destruction of those materials and possible chemical exposure to the individual. Caustic solutions can generate hydrogen gas on contact with aluminum, zinc or materials galvanized with zinc.

## 10.6 Hazardous decomposition products

No data available.

## Section 11 - Toxicological Information

## 11.1 Information on toxicological effects

|   |                             |                    |                      |  |  | n + 20% 1310-73-2   | i partiti di suali sia  |  |  |  |
|---|-----------------------------|--------------------|----------------------|--|--|---|---|--|--|--|
| Test Type   | Dosage                      | Route              | Species              | \$2. \Y/ =2.4;   | Results  | I to the second | Target Organs   |  |  |  |
| Irritation  | = 1 %                       | Еуе                | Rabbit               | NDA  | NDA  | Severe irritation, reversible   | NDA   | NDA  |  |  |
| Irritation  | = 500 mg                    | Skin               | Rabbit               | 24 Hour(s)   | NDA  | Severe irritation, reversible   | NDA   | NDA  |  |  |
| GHS Properties  |                             |                    | rice in Medical Con- | Classific  | ation  |   |   |  |  |  |
| Acute toxicity  |                             |                    |                      | 1 1 1 1 1 1  |  | tion criteria not met<br>Classification criteria not met  | tienen en farikasku skiljen en e | Managara da sa |  |  |
| Aspiration Hazard   |                             |                    |                      | 5 # .  |  | tion criteria not met<br>Classification criteria not met  | 117-118-5-  |  |  |  |
| Carcinogenicity   |                             | eleigius, a anno a |                      | 3  |  | tion criteria not met<br>Classification criteria not met  |   |  |  |  |
| Germ Cell Mutagenicity  |                             |                    |                      | 1867   | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |   |   |  |  |  |
| Skin corrosion/Irritation   |                             |                    |                      | 3 4  | EU/CLP*Skin Corrosion 1A<br>OSHA HCS 2012*Skin Corrosion 1B                          |   |   |  |  |  |
| Skin sensitization  |                             |                    |                      | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |  |   |   |  |  |  |
| STOT-RE   | annes empanan gappinespyyan |                    | ingentia (m. c. 77.) |  | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |   |   |  |  |  |
| STOT-SE   |                             |                    | .: Jan               | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |  |   |   |  |  |  |
| Toxicity for Reproduction   |                             |                    | 9 8 7 7 7 7 7 7      | EU/CLP*Classification criteria not met OSHA HCS 2012*Classification criteria not met |  |   |   |  |  |  |
| Respiratory sensitization EU/GLP•Classification criteria not met  OSHA HCS 2012•Classification criteria not met |                             |                    |                      |  | eru Harte atetir i Ciri i i i i i i i  |   |   |  |  |  |
| Serious eye damage/Irritation   |                             |                    |                      |  |  | tion criteria not met<br>Serious Eye Damage 1   |   |  |  |  |

Route(s) of entry/exposure

Inhalation, Skin, Eye, Ingestion

## **Potential Health Effects**

## Inhalation

Acute (Immediate)

• May cause corrosive burns - irreversible damage.

Chronic (Delayed)

Repeated or prolonged exposure to corrosive fumes may cause bronchial irritation with chronic cough.

## Skin

Acute (Immediate)

Causes severe skin burns and eye damage.

Chronic (Delayed)

• Repeated or prolonged exposure to corrosive materials will cause dermatitis.

Eye

Acute (Immediate)

Causes serious eye damage.

Chronic (Delayed)

 Repeated or prolonged exposure to corrosive materials or fumes may cause conjunctivitis.

## Ingestion

Acute (Immediate)

- May cause irreversible damage to mucous membranes.
- Chronic (Delayed)
- Repeated or prolonged exposure to corrosive materials or fumes may cause gastrointestinal disturbances.

## Section 12 - Ecological Information

## 12.1 Toxicity

| [                  | Sodium Hydroxide Solution - 20%                | a de el |         | 1310-73-2           |          |
|--------------------|--|---|---------|---------------------|----------|
| Dosage             | Species  | Duration                                    | Results | Exposure Conditions | Comments |
| 144 to 276<br>mg/L | Fish: Poecilla reticulata (Guppy)              | 96 Hour(s)                                  | LC50    | NDA                 | NDA      |
| = 125 mg/L         | Fish: Gambusia affinis (Western mosquito fish) | 96 Hour(s)                                  | LC50    | NDA                 | NDA .    |

## 12.2 Persistence and degradability

■ Material data lacking.

## 12.3 Bioaccumulative potential

· Material data lacking.

## 12.4 Mobility in Soil

· Material data lacking.

## 12.5 Results of PBT and vPvB assessment

• PBT and vPvB assessment has not been carried out,

#### 12.6 Other adverse effects

· No studies have been found.

## Section 13 - Disposal Considerations

## 13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging** waste

• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

|          | 14.1 UN<br>number | 14.2 UN proper<br>shipping name | 14,3 Transport hazard class(es) | 14.4 Packing<br>group | 14.5 Environmental<br>hazards |
|----------|-------------------|---------------------------------|---------------------------------|-----------------------|-------------------------------|
| DOT      | UN1824            | Sodium hydroxide solution       | 8                               | 11                    | NDA                           |
| TDG      | UN1824            | Sodium Hydroxide Solution       | 8                               | .                     | NDA                           |
| IMO/IMDG | UN1824            | Sodium Hydroxide Solution       | 8                               | 1                     | NDA                           |
| ATA/ICAO | .UN1824           | Sodium Hydroxide Solution       | 8                               | 1                     | NDA.                          |

14.6 Special precautions for user

None specified.

14.7 Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC Code

Data lacking.

## Section 15 - Regulatory Information

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** 

Acute

|                  |              |                     | Inventor     | <b>y</b>   |   |                   |
|------------------|--------------|---------------------|--------------|--|---|-------------------|
| Component        | CAS          | Australia AICS      | Canada DSL   | Canada NDSL  | China   | EU EINECS         |
| Sodium hydroxide | 1310-73-2    | Yes                 | Yes          | No   | Yes   | Yes               |
|                  |              |                     | Inventory (C | on't.)   |   |                   |
| Component        | CAS          | EU ELNICS           | Japan ENCS   | Korea KECL   | New Zealand   | Philippines PICCS |
| Sodium hydroxide | 1310-73-2    | No                  | Yes          | Yes  | Yes   | Yes               |
|                  |              | promisi je koje sad | inventory (C | on't.)   | and all arrespectives   |                   |
|                  | Component    |                     | CAS          | The state of the s | TSCA  |                   |
| Sodium hydroxide | <del>;</del> | 1                   | 310-73-2     | Yes  | No contract the second |                   |

#### Canada

#### Labor

Canada - WHMIS - Classifications of Substances

E (including 0.04% in aqueous solution, 0.08%, 0.4% in aqueous solution, 2%, 2.5%, 4% in aqueous solution, 5%, 10%, 16%, 20%, 40%, 50% in aqueous solution, 8.7N)

Canada - WHMIS - Ingredient Disclosure List ·Sodium hydroxide

1310-73-2 1 %

1310-73-2

#### Environment

Canada - CEPA - Priority Substances List

Södlüm hydroxide

Sodium hydroxide

Not Listed 1310-73-2

#### **Europe**

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients

Sodium hydroxide

1310-73-2

Buffering; Denaturant

#### Japan

#### Environment

Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances

·Sodium hydroxide

1310-73-2 Not Listed

Japan - Pollutant Release Transfer Register (PRTR) - Class 2 Substances Sodium hydroxide

Not Listed 1310-73-2

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL) Sodium hydroxide

1310-73-2 Not Listed

## **Other Agency Information**

#### Other

**CONEG - Model Toxics in Packaging Legislation** 

Sodium hydroxide

1310-73-2

Not Listed

#### **United States**

| Labor  |           |                                   |
|--|-----------|-----------------------------------|
| U.S OSHA - Process Safety Management - Highly Hazardous Chemicals  Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| U.S OSHA - Specifically Regulated Chemicals  Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| Environment  |           |                                   |
| U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants  •Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S CAA (Clean Air Act) - Class I Ozone Depletors -Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| U.S CAA (Clean Air Act) - Class II Ozone Depletors  Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities -Sodium hydroxide                                   | 1310-73-2 | 1000 lb final RQ; 454 kg final RQ |
| U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs   |           |                                   |
| •Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs  • Sodium hydroxide                                      | 1310-73-2 | Not Listed                        |
| U.S CERCLA/SARA - Section 313 - Emission Reporting  •Sodium hydroxide U.S CERCLA/SARA - Section 313 - PBT Chemical Listing | 1310-73-2 | Not Listed                        |
| Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix   | VII       |                                   |
| Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Ap  •Sodium hydroxide                           | 1310-73-2 | Not Listed                        |
| U.S TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification  |           |                                   |
| •Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| United States - California   |           |                                   |
| Environment  |           |                                   |
| U.S California - Proposition 65 - Carcinogens List -Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S California - Proposition 65 - Developmental Toxicity  • Sodium hydroxide   | 1310-73-2 | Not Listed                        |
| U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)  •Sodium hydroxide                                  | 1310-73-2 | Not Listed                        |
| U.S California - Proposition 65 - No Significant Risk Levels (NSRL)  -Sodium hydroxide                                     | 1310-73-2 | Not Listed                        |
| U.S California - Proposition 65 - Reproductive Toxicity - Female  •Sodium hydroxide  | 1310-73-2 | Not Listed                        |
| U.S California - Proposition 65 - Reproductive Toxicity - Male • Sodium hydroxide  | 1310-73-2 | Not Listed                        |
|  |           |                                   |

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

## Section 16 - Other Information

**Last Revision Date** 

• 01/April/2015

**Preparation Date** 

• 01/April/2015

# Disclaimer/Statement of Liability

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implied, regarding accuracy of the information or the hazards connected with the use thereof. Compliance with all applicable federal, state, and local laws and regulations regarding the use, storage, sale, transport or disposal of this material is the responsibility of the user.

Key to abbreviations
NDA = No data available