

## SAFETY DATA SHEET

**Acinor****Caustic Soda 5-50%****Acinor**

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**SECTION 1: Identification of the substance / mixture and of the company / undertaking**

|               |            |
|---------------|------------|
| Date issued   | 18.04.2008 |
| Revision date | 20.09.2021 |

**1.1. Product identifier**

|                |   |
|----------------|---|
| Product name   | Caustic Soda 5-50%  |
| Synonyms       | Natriumhydroksid, Natronlut 25%, Natronlut 32%, Natronlut 46%, Natronlut 50%, Sodium hydroxide solution |
| REACH Reg. No. | 01-2119457892-27  |
| CAS No.        | 1310-73-2   |
| EC No.         | 215-185-5   |
| Article no.    | 309, 332, 342, 363, 371, 372, 376, 398, 403, 422, 424, 431, 445, 448, 1002                              |
| Formula        | NaOH  |

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

|                                |   |
|--------------------------------|---|
| Use of the substance / mixture | For professional use only pH regulation. Production of alkaline soap. Refining of oils. |
| Consumer use                   | No  |
| Use of chemical, comments      | Refer to exposure scenario(s) attached.   |

**1.3. Details of the supplier of the safety data sheet****Distributor**

|                  |  |
|------------------|--|
| Company name     | Acinor AS                              |
| Office address   | Titangt. 13, NO-1630 Gamle Fredrikstad |
| Postal address   | Titangaten 13                          |
| Postcode         | 1630                                   |
| City             | Gamle Fredrikstad                      |
| Country          | Norway                                 |
| Telephone number | 69384082                               |

|                |  |
|----------------|--|
| Fax            | 69384084   |
| Email          | <a href="mailto:post@acinor.no">post@acinor.no</a> |
| Website        | <a href="http://www.acinor.no">www.acinor.no</a>   |
| Enterprise No. | NO 984 648 324 MVA                                 |

## 1.4. Emergency telephone number

|                     |   |
|---------------------|---|
| Emergency telephone | Telephone number: +47 22 59 13 00<br>Description: Giftinformasjon |
|---------------------|---|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|  |  |
|--|--|
| Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] | Met. Corr. 1; H290<br>Skin Corr. 1A; H314<br>Eye Dam. 1; H318      |
| Substance / mixture hazardous properties                             | May be corrosive to metals.<br>Causes severe burns and eye damage. |

### 2.2. Label elements

#### Hazard pictograms (CLP)



|                          |   |
|--------------------------|---|
| Signal word              | Danger  |
| Hazard statements        | H290 May be corrosive to metals.<br>H314 Causes severe skin burns and eye damage.   |
| Precautionary statements | P260 Do not breathe dust / fume / gas / mist / vapours / spray.<br>P280 Wear protective gloves / protective clothing / eye protection / face protection.<br>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.<br>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 Immediately call a POISON CENTER or doctor / physician. |

### 2.3. Other hazards

|               |  |
|---------------|--|
| PBT / vPvB    | PBT/vPvB assessment has not been performed.                                      |
| Other hazards | None of the components are listed on ECHA's Endocrine disruptor assessment list. |

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

|                    |   |
|--------------------|---|
| Remarks, substance | CAS No 1310-73-2 has specific concentration limits:<br>Skin Corr. 1A; H314: $C \geq 5\%$<br>Skin Corr. 1B; H314: $2\% \leq C < 5\%$<br>Skin Irrit. 2; H315: $0,5\% \leq C < 2\%$<br>Eye Irrit. 2; H319: $0,5\% \leq C < 2\%$  |
| Substance comments | CAS-nr. 7732-18-5: Information provided voluntarily by the supplier.<br>For substances without REACH registration number, no information has been provided by the subcontractor or manufacturer.<br>See section 16 for explanation of hazard statements (H) listed above. |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |   |
|--------------|---|
| General      | Emergency telephone number: see section 1.4. In case of unconsciousness or severe accidents, call 112.  |
| Inhalation   | Rinse nose and mouth with water. Fresh air and rest. Get medical attention. For breathing difficulties oxygen may be necessary.   |
| Skin contact | Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention immediately! Chemical burns must be treated by a physician. Wash contaminated clothes before reuse.            |
| Eye contact  | Remove contact lenses and open eyes wide apart. Promptly rinse eyes with plenty of water (tempered at 20-30°C) for at least 30 minutes. Transport to physician. Keep on flushing during transport.                |
| Ingestion    | Immediately rinse mouth and drink plenty of water (200-300 ml). Liquid can also be given as milk or cream. Never give liquid to an unconscious person. Do not induce vomiting. Get medical attention immediately! |

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

|                              |   |
|------------------------------|---|
| General symptoms and effects | Treat as chemical burns. Risk of perforation of the esophagus. Hospital treatment is required.  |
| Acute symptoms and effects   | The chemical is corrosive to the eyes and may cause permanent damage. Symptoms such as strong burning, tearing/watering, redness and blurred vision may occur. In severe cases, there is a risk of visual damage/blindness. Burning pain and severe corrosive skin damage. Forms blisters and can cause ulceration. Causes burns if swallowed. Causes burning sensation in the mouth, throat and esophagus. May cause serious permanent damage. |

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

|  |   |
|--|---|
| Medical monitoring for delayed effects | Monitor for minst 48 hours.   |
| Other information                      | Treat symptomatically. No specific information from the manufacturer. |

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | Dry-powder, Carbon dioxide (CO <sub>2</sub> ), alcohol-resistant foam. |
| Improper extinguishing media | Do not use water jet.  |

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

|                            |   |
|----------------------------|---|
| Fire and explosion hazards | The chemical is not classified as flammable. Reacts violently with water. May form toxic or explosive vapours in presence of certain metals. Explosive poisonous gas may occur upon contact with trichloroethylene. |
|----------------------------|---|

## 5.3. Advice for firefighters

|                               |   |
|-------------------------------|---|
| Personal protective equipment | Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.  |
| Other information             | Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains. Water used for fire extinguishing, which has been in contact with the product, may be corrosive. |

## SECTION 6: Accidental release measures

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

|                              |   |
|------------------------------|---|
| Personal protection measures | Beware! The product is corrosive. Provide adequate ventilation. Avoid inhalation of dust. Avoid contact with skin and eyes. Use protective equipment as referred to in section 8. |
|------------------------------|---|

### 6.2. Environmental precautions

|                                      |   |
|--------------------------------------|---|
| Environmental precautionary measures | Do not allow to enter into sewer, water system or soil. |
|--------------------------------------|---|

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

|          |   |
|----------|---|
| Clean up | Neutralise spilled material with crushed limestone, soda ash or lime. Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13. Wash the contaminated surface with detergent and water. |
|----------|---|

### 6.4. Reference to other sections

|                    |                             |
|--------------------|-----------------------------|
| Other instructions | See also sections 8 and 13. |
|--------------------|-----------------------------|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|          |   |
|----------|---|
| Handling | Use protective equipment as referred to in section 8. Provide adequate ventilation.<br>Avoid direct contact. Avoid inhalation of vapours. Avoid spilling, skin and eye contact. Change contaminated clothing.<br>Use work methods which minimize aerosol production.<br>Never add water directly to this product - may cause vigorous reaction/boiling. |
|----------|---|

Always dilute by carefully pouring the product into the water.

## Protective safety measures

Advice on general occupational hygiene

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke during work. Wash contaminated clothing before reuse.

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

Storage

Store dry and cool in a well ventilated area. Store in tightly closed container. Corrosive storage. Protect from sunlight.

Conditions to avoid

Protect from moisture.

## Conditions for safe storage

Requirements for storage rooms and vessels

Suitable containers: Acid resistant steel  
Unsuitable containers: aluminium. Lead, tin, copper or zinc.

Advice on storage compatibility

Keep away from: Sterke oksidasjonsmidler. Acids. Aluminium. Light metal. Ammonium compounds. Food and feed.

## 7.3. Specific end use(s)

Specific use(s)

See section 1.2. See exposure scenario.

# SECTION 8: Exposure controls / personal protection

## 8.1. Control parameters

Control parameters comments

Explanation of the notations:  
T = ceiling value  
References (laws/regulations): Norwegian regulation on exposure limits: FOR-2011-12-06-1358 Forskrift om tiltaks- og grenseverdier (sist endret gjennom FOR-2021-06-28-2248).

## DNEL / PNEC

DNEL

Group: Industrial  
Route of exposure: Long-term inhalation (local)  
Value: 1,0 mg/m<sup>3</sup>

## 8.2. Exposure controls

### Precautionary measures to prevent exposure

Technical measures to prevent exposure

Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.  
A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.

## Eye / face protection

|                                    |  |
|------------------------------------|--|
| Eye protection equipment           | Description: Wear tight-fitting goggles or face shield.<br>Reference to relevant standard: EN 166 (Personal eye-protection. Specifications).                                       |
| Additional eye protection measures | Eye wash facilities should be available at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit. |

## Hand protection

|                                     |   |
|-------------------------------------|---|
| Suitable materials                  | Nitrile. Butyl rubber. Polyvinyl chloride (PVC). Viton rubber (fluor rubber).   |
| Unsuitable materials                | Leather.  |
| Breakthrough time                   | Value: > 480 minute(s)  |
| Thickness of glove material         | Comments: Butylgummi, PVC: 0,5 mm.<br>Nitrilgummi, Vitongummi: 0,35-0,4 mm.   |
| Hand protection equipment           | Description: Use chemical resistant gloves. The gloves abilities may vary among the different glove manufacturers. Use gauntlet type rubber gloves.<br>Reference to relevant standard: EN ISO 374 (Protective gloves against chemicals and micro-organisms).<br>EN 420 (Protective gloves - General requirements and test methods). |
| Additional hand protection measures | Change gloves frequently!   |

## Skin protection

|                                     |   |
|-------------------------------------|---|
| Unsuitable protective clothing      | Leather.  |
| Recommended protective clothing     | Description: Wear appropriate protective clothing to protect against skin contact.                                |
| Additional skin protection measures | Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. |

## Respiratory protection

|                                    |   |
|------------------------------------|---|
| Recommended respiratory protection | Description: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A/P3). Wear air-supplied mask in confined areas.<br>Reference to relevant standard: EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).<br>EN 149. |
|------------------------------------|---|

## Appropriate environmental exposure control

|                                 |   |
|---------------------------------|---|
| Environmental exposure controls | Do not allow to enter into sewer, water system or soil. |
|---------------------------------|---|

## SECTION 9: Physical and chemical properties

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

|                |             |
|----------------|-------------|
| Physical state | Fluid.      |
| Colour         | Colourless. |

|  |  |
|--|--|
| Odour                                      | No characteristic odour.   |
| Odour limit                                | Comments: Not determined.  |
| pH   | Status: In delivery state<br>Value: > 13<br>Comments: Concentrated solution. |
| Melting point / melting range              | Comments: Not known.   |
| Boiling point / boiling range              | Value: 105 -146 °C   |
| Flash point                                | Comments: Not relevant.  |
| Evaporation rate                           | Comments: Not determined.  |
| Flammability                               | Not relevant, see flash point.   |
| Explosion limit                            | Comments: Not relevant.  |
| Vapour pressure                            | Value: 3000 -170 Pa<br>Temperature: 25 °C                                    |
| Vapour density                             | Comments: Not determined.  |
| Relative density                           | Value: 1,274 - 1,525<br>Temperature: 20 °C                                   |
| Density                                    | Value: 1,11 - 1,51 g/cm <sup>3</sup><br>Temperature: 25 °C                   |
| Solubility                                 | Medium: Water<br>Comments: Soluble.  |
| Partition coefficient: n-octanol/<br>water | Comments: Not relevant. Inorganic substance.                                 |
| Auto-ignition temperature                  | Comments: Not determined.  |
| Decomposition temperature                  | Comments: Not known.   |
| Viscosity                                  | Comments: Not known.   |
| Explosive properties                       | Not explosive.   |
| Oxidising properties                       | Not oxidizing.   |

## 9.2. Other information

### Other physical and chemical properties

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Physical and chemical properties | No further information is available. |
|----------------------------------|--------------------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |  |
|------------|--|
| Reactivity | May be corrosive to metals.<br>Reactive with the materials listed in Section 10.5. |
|------------|--|

### 10.2. Chemical stability

|           |  |
|-----------|--|
| Stability | Stable under normal temperature conditions and recommended use. The substance is hygroscopic and will absorb water by contact with the moisture in |
|-----------|--|

the air.

### 10.3. Possibility of hazardous reactions

|                                    |  |
|------------------------------------|--|
| Possibility of hazardous reactions | Arise in contact with incompatible materials (see section 10.5) and/or under inappropriate conditions (see section 10.4).<br>In contact with amphoteric metals hydrogen gas may be formed. Gas can form explosive gas-air mixture. |
|------------------------------------|--|

### 10.4. Conditions to avoid

|                     |   |
|---------------------|---|
| Conditions to avoid | Protect from direct sunlight. Moisture. |
|---------------------|---|

### 10.5. Incompatible materials

|                    |  |
|--------------------|--|
| Materials to avoid | Acids. Water, steam, water mixtures. Aluminium. Lead. Zinc. Tin. |
|--------------------|--|

### 10.6. Hazardous decomposition products

|                                  |   |
|----------------------------------|---|
| Hazardous decomposition products | None under normal conditions. See also section 5.2. |
|----------------------------------|---|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                |  |
|----------------|--|
| Acute toxicity | Type of toxicity: Acute<br>Effect tested: LD50<br>Route of exposure: Oral<br>Value: > 500 mg/kg<br>Species: Kanin<br>Comments: 25% løsnig. |
|                | Type of toxicity: Acute<br>Effect tested: LD50<br>Route of exposure: Dermal<br>Value: 1350 mg/kg<br>Species: Kanin                         |

### Other information regarding health hazards

|   |   |
|---|---|
| Assessment of acute toxicity, classification              | Based on available data, the classification criteria are not met. |
| Assessment of skin corrosion / irritation, classification | Corrosive to skin.  |
| Assessment of eye damage or irritation, classification    | Causes serious eye damage.  |
| Assessment of respiratory sensitisation, classification   | Based on available data, the classification criteria are not met. |
| Assessment of skin sensitisation, classification          | Based on available data, the classification criteria are not met. |
| Assessment of germ cell mutagenicity, classification      | Based on available data, the classification criteria are not met. |



|  |   |
|--|---|
| Assessment of carcinogenicity, classification                                    | Based on available data, the classification criteria are not met. |
| Assessment of reproductive toxicity, classification                              | Based on available data, the classification criteria are not met. |
| Assessment of specific target organ toxicity - single exposure, classification   | Based on available data, the classification criteria are not met. |
| Assessment of specific target organ toxicity - repeated exposure, classification | Based on available data, the classification criteria are not met. |
| Assessment of aspiration hazard, classification                                  | Based on available data, the classification criteria are not met. |

## Symptoms of exposure

|                         |   |
|-------------------------|---|
| In case of ingestion    | Causes burns if swallowed. Causes burning sensation in the mouth, throat and esophagus. May cause serious permanent damage. Risk of perforation of the stomach if there has been swallowed large amounts.                   |
| In case of skin contact | Corrosive. Forms blisters and can cause ulceration.   |
| In case of inhalation   | Inhalation of vapors may cause severe irritation or burns in the respiratory tract.   |
| In case of eye contact  | The chemical is corrosive to the eyes and may cause permanent damage. Symptoms such as strong burning, tearing/watering, redness and blurred vision may occur. In severe cases, there is a risk of visual damage/blindness. |

## 11.2 Other information

|                   |  |
|-------------------|--|
| Other information | None of the components are listed on ECHA's Endocrine disruptor assessment list. |
|-------------------|--|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                              |  |
|------------------------------|--|
| Aquatic toxicity, fish       | Toxicity type: Acute<br>Value: 189 mg/l<br>Effect dose concentration: LC50<br>Test duration: 48 hour(s)<br>Species: Leuciscus idus<br>Comments: Applies to CAS-nr.: 1310-73-2. |
| Aquatic toxicity, crustacean | Toxicity type: Acute<br>Value: 33 mg/l<br>Effect dose concentration: EC50<br>Species: Crangon crangon<br>Comments: Applies to CAS-nr.: 1310-73-2.                              |
| Ecotoxicity                  | The chemical is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills may be potentially hazardous.        |

### 12.2. Persistence and degradability

|  |  |
|--|--|
| Persistence and degradability description/evaluation | The chemical consists mainly of inorganic materials which are not biodegradable. |
|--|--|

### 12.3. Bioaccumulative potential

|                           |                                |
|---------------------------|--------------------------------|
| Bioaccumulation, comments | Not expected to bioaccumulate. |
|---------------------------|--------------------------------|

### 12.4. Mobility in soil

|          |                   |
|----------|-------------------|
| Mobility | Soluble in water. |
|----------|-------------------|

### 12.5. Results of PBT and vPvB assessment

|                                    |   |
|------------------------------------|---|
| Results of PBT and vPvB assessment | PBT/vPvB assessment has not been performed. |
|------------------------------------|---|

### 12.6. Endocrine disrupting properties

|                                 |  |
|---------------------------------|--|
| Endocrine disrupting properties | The chemical does not contain any known or suspected endocrine disruptors. |
|---------------------------------|--|

### 12.7. Other adverse effects

|                                   |   |
|-----------------------------------|---|
| Additional ecological information | Avoid release to the environment. Alkalies cause increased pH values in the water. A high pH value harms aquatic organisms. |
|-----------------------------------|---|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Appropriate methods of disposal for the chemical | Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below. |
| EWC waste code                                   | EWC waste code: 060204 sodium and potassium hydroxide<br>Classified as hazardous waste: Yes  |
| NORSAS   | 7132 Inorganic bases   |
| Other information                                | Do not empty into drains.  |

## SECTION 14: Transport information

|                 |     |
|-----------------|-----|
| Dangerous goods | Yes |
|-----------------|-----|

### 14.1. UN number

|             |      |
|-------------|------|
| ADR/RID/ADN | 1824 |
| IMDG        | 1824 |
| ICAO/IATA   | 1824 |

### 14.2. UN proper shipping name

|  |                           |
|--|---------------------------|
| Proper shipping name English ADR/RID/ADN | SODIUM HYDROXIDE SOLUTION |
| ADR/RID/ADN                              | SODIUM HYDROXIDE SOLUTION |

|           |                           |
|-----------|---------------------------|
| IMDG      | SODIUM HYDROXIDE SOLUTION |
| ICAO/IATA | SODIUM HYDROXIDE SOLUTION |

### 14.3. Transport hazard class(es)

|                                 |    |
|---------------------------------|----|
| ADR/RID/ADN                     | 8  |
| Classification code ADR/RID/ADN | C5 |
| IMDG                            | 8  |
| ICAO/IATA                       | 8  |

### 14.4. Packing group

|             |    |
|-------------|----|
| ADR/RID/ADN | II |
| IMDG        | II |
| ICAO/IATA   | II |

### 14.5. Environmental hazards

|                       |    |
|-----------------------|----|
| IMDG Marine pollutant | No |
|-----------------------|----|

### 14.6. Special precautions for user

|                                     |               |
|-------------------------------------|---------------|
| Special safety precautions for user | Not relevant. |
|-------------------------------------|---------------|

### 14.7. Maritime transport in bulk according to IMO instruments

|                    |                           |
|--------------------|---------------------------|
| Product name       | SODIUM HYDROXIDE SOLUTION |
| Ship type required | Data lacking.             |

### Additional information

|                          |   |
|--------------------------|---|
| Hazard label ADR/RID/ADN | 8 |
| Hazard label IMDG        | 8 |
| Hazard label ICAO/IATA   | 8 |

### ADR/RID Other information

|                                      |    |
|--------------------------------------|----|
| Tunnel restriction code              | E  |
| Transport category                   | 2  |
| Hazard No.                           | 80 |
| Other applicable information ADR/RID | 80 |

### IMDG Other information

|     |          |
|-----|----------|
| EmS | F-A, S-B |
|-----|----------|

## SECTION 15: Regulatory information


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

|                               |   |
|-------------------------------|---|
| References (laws/regulations) | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments.<br>Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.<br>The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).<br>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009. |
| Declaration No.               | 93940   |

## 15.2. Chemical safety assessment

|                                      |     |
|--------------------------------------|-----|
| Chemical safety assessment performed | Yes |
|--------------------------------------|-----|

## SECTION 16: Other information

|  |   |
|--|---|
| Supplier's notes                               | The information contained in this SDS must be made available to all those who handle the product.   |
| List of relevant H-phrases (Section 2 and 3)   | H290 May be corrosive to metals.<br>H314 Causes severe skin burns and eye damage.<br>H318 Causes serious eye damage.  |
| CLP classification, comments                   | Calculation method.   |
| Key literature references and sources for data | Suppliers Safety data sheet dated: 01.2021.   |
| Abbreviations and acronyms used                | ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road<br>DNEL: Derived No Effect Level<br>EWC: European Waste Code (a code from the EU's common classification system for waste)<br>IATA: The International Air Transport Association<br>ICAO: The International Civil Aviation Organisation<br>IMDG: The International Maritime Dangerous Goods Code<br>LC50: Median concentration lethal to 50% of a test population.<br>LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%.<br>PBT: Persistent, Bioaccumulative and Toxic<br>RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail<br>vPvB: very Persistent and very Bioaccumulative |
| Information added, deleted or revised          | Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.  |
| Version  | 7   |
| Contents or index of annexed ES                | 1. Produksjon av flytende NaOH<br>2. Produksjon av fast NaOH<br>3. Industriell og profesjonell bruk av NaOH<br>4. Konsumentforbruk av NaOH  |
| Exposure scenario                              |  Eksponeringsscenario 1-4 NaOH.pdf   |