



# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 03/05/2017 Revision date: 27/01/2021 Supersedes version of: 09/01/2020 Version: 4.0

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : Caustic Soda  
IUPAC name : sodium hydroxide  
EC-No. : 215-185-5  
CAS-No. : 1310-73-2  
REACH registration No : 01-2119457892-27  
Product code : CASOGEN

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Professional use, Consumer use  
Use of the substance/mixture : Cleaning/washing agents and additives

##### 1.2.2. Uses advised against

Restrictions on use : THIS PRODUCT IS A CORROSIVE PRODUCT UNDER UK OFFENSIVE WEAPONS ACT 2019. SALE OR DELIVERY TO SOMEONE UNDER THE AGE OF 18 YEARS OLD IS RESTRICTED, Not Otherwise Specified

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

|   |   |
|---|---|
| Manufacturer                            | Distributor                                 |
| Rustins Ltd                             | Excellence Ltd                              |
| Waterloo Road                           | 43 Grange Parade,                           |
| London NW2 7TX                          | Unit 43 Baldoyle Industrial Estate,         |
| United Kingdom                          | D13 Y860 Dublin Ireland                     |
| T +44(0)2084504666 - F +44(0)2084522008 | T 00353 (0)1 8323300 - F 00353 (0)1 8323584 |
| rustins@rustins.co.uk - rustins.ltd     | Orders@excellence.ie - www.excellence.ie    |

#### 1.4. Emergency telephone number

Emergency number : T +44(0)2084504666 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)

| Country        | Organisation/Company   | Address                                  | Emergency number   | Comment |
|----------------|--|--|--|---------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham        | 0344 892 0111  |         |

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1, Sub-Category 1A H314  
Serious eye damage/eye irritation, Category 1 H318  
Full text of H statements : see section 16  
Specific concentration limits:

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|               |                     |
|---------------|---------------------|
| ( 0.5 ≤C < 2) | Skin Irrit. 2, H315 |
| ( 0.5 ≤C < 2) | Eye Irrit. 2, H319  |
| ( 2 ≤C < 5)   | Skin Corr. 1B, H314 |
| ( 5 ≤C < 100) | Skin Corr. 1A, H314 |

### Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage.

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.  
P234 - Keep only in original packaging.  
P260 - Do not breathe dust, fume.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
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 .  
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, a doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P363 - Wash contaminated clothing before reuse.  
P390 - Absorb spillage to prevent material damage.  
P405 - Store locked up.  
P501 - Dispose of contents and container to a hazardous or special waste collection point.

Child-resistant fastening

: Applicable

Tactile warning

: Applicable

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|                |                    |
|----------------|--------------------|
| Substance type | : Mono-constituent |
| Name           | : Caustic Soda     |
| CAS-No.        | : 1310-73-2        |
| EC-No.         | : 215-185-5        |

| Name             | Product identifier  | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------|---|---|
| Sodium hydroxide | (CAS-No.) 1310-73-2<br>(EC-No.) 215-185-5<br>(EC Index-No.) 011-002-00-6<br>(REACH-no) 01-2119457892-27 | Skin Corr. 1A, H314   |

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Specific concentration limits:

| Name             | Product identifier  | Specific concentration limits   |
|------------------|---|---|
| Sodium hydroxide | (CAS-No.) 1310-73-2<br>(EC-No.) 215-185-5<br>(EC Index-No.) 011-002-00-6<br>(REACH-no) 01-2119457892-27 | ( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C < 100) Skin Corr. 1A, H314 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : Causes severe skin burns and eye damage.   |
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).   |
| Symptoms/effects after skin contact | : Causes severe burns.   |
| Symptoms/effects after eye contact  | : Serious damage to eyes.  |
| Symptoms/effects after ingestion    | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust, fume.

#### 6.1.2. 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".

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorised site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 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. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool.  
Incompatible materials : Metals.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Sodium hydroxide (1310-73-2)                  |                                       |
|---|---------------------------------------|
| Ireland - Occupational Exposure Limits        |                                       |
| Local name                                    | Sodium hydroxide                      |
| OEL STEL                                      | 2 mg/m <sup>3</sup>                   |
| Regulatory reference                          | Chemical Agents Code of Practice 2020 |
| United Kingdom - Occupational Exposure Limits |                                       |
| Local name                                    | Sodium hydroxide                      |
| WEL STEL (OEL STEL)                           | 2 mg/m <sup>3</sup>                   |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| Caustic Soda (1310-73-2)              |                     |
|---------------------------------------|---------------------|
| DNEL/DMEL (Workers)                   |                     |
| Long-term - local effects, inhalation | 1 mg/m <sup>3</sup> |

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### DNEL/DMEL (General population)

Long-term - local effects, inhalation 1 mg/m<sup>3</sup>

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

| Type                                  | Material                   | Permeation        | Thickness (mm) | Penetration | Standard |
|---------------------------------------|----------------------------|-------------------|----------------|-------------|----------|
| Reusable gloves,<br>Disposable gloves | Natural rubber             | 6 (> 480 minutes) | 0.5            |             |          |
| Disposable gloves,<br>Reusable gloves | Nitrile rubber (NBR)       | 6 (> 480 minutes) | 0.35           |             |          |
| Disposable gloves,<br>Reusable gloves | Butyl rubber               | 6 (> 480 minutes) | 0.5            |             |          |
| Reusable gloves,<br>Disposable gloves | Polyvinylchloride<br>(PVC) | 6 (> 480 minutes) | 0.5            |             |          |

##### Other skin protection

##### Materials for protective clothing:

| Condition             | Material                         | Standard |
|-----------------------|----------------------------------|----------|
| Excellent resistance: | Butyl rubber, Nitrile rubber/PVC |          |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Solid  |
| Appearance                                      | : White powder or lumps.                                     |
| Colour  | : white.   |
| Odour   | : odourless.   |
| Odour threshold                                 | : No data available  |
| pH  | : > 13   |
| Relative evaporation rate (butylacetate=1)      | : No data available  |
| Melting point                                   | : 323 °C Decomposition: 'no' Sublimation: 'no'               |
| Freezing point                                  | : Not applicable   |
| Boiling point                                   | : 1388 °C Atm. press.: 101,325 kPa Decomposition: 'no'       |
| Flash point                                     | : Not applicable   |
| Auto-ignition temperature                       | : Not applicable   |
| Decomposition temperature                       | : No data available  |
| Flammability (solid, gas)                       | : Non flammable.   |
| Vapour pressure                                 | : 100 Pa @ 739 °C  |
| Relative vapour density at 20 °C                | : No data available  |
| Relative density                                | : No data available  |
| Density   | : 2.13 g/cm <sup>3</sup> Type: 'density' Temp.: 20 °C        |
| Solubility                                      | : Soluble in water. Soluble in ethanol. Soluble in glycerol. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available  |
| Viscosity, kinematic                            | : Not applicable   |
| Viscosity, dynamic                              | : No data available  |
| Explosive properties                            | : No data available  |
| Oxidising properties                            | : No data available  |
| Explosive limits                                | : Not applicable   |

### 9.2. Other information

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.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

metals. Oxidizing agent.

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

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

|                    |                              |
|--------------------|------------------------------|
| LD50 oral rat      | 140 – 340 mg/kg Source: ECHA |
| LD50 dermal rabbit | 1350 mg/kg Source: HSDB      |

Skin corrosion/irritation : Causes severe skin burns.  
pH: > 13  
Serious eye damage/irritation : Causes serious eye damage.  
pH: > 13  
Respiratory or skin sensitisation : 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

#### Caustic Soda (1310-73-2)

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

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  
Not rapidly degradable

#### Caustic Soda (1310-73-2)

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |
|----------------------|--|

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

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | 125 mg/l   |
| EC50 - Crustacea [1] | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |

### 12.2. Persistence and degradability

No additional information available

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water (Log Pow) -3.88 Source: SRC

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Caustic Soda (1310-73-2)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number</b>  |   |   |   |   |
| UN 1823   | UN 1823   | UN 1823   | UN 1823   | UN 1823   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| SODIUM HYDROXIDE, SOLID   | SODIUM HYDROXIDE, SOLID   | Sodium hydroxide, solid   | SODIUM HYDROXIDE, SOLID   | SODIUM HYDROXIDE, SOLID   |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1823 SODIUM HYDROXIDE, SOLID, 8, II, (E)   | UN 1823 SODIUM HYDROXIDE, SOLID, 8, II  | UN 1823 Sodium hydroxide, solid, 8, II  | UN 1823 SODIUM HYDROXIDE, SOLID, 8, II  | UN 1823 SODIUM HYDROXIDE, SOLID, 8, II  |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 8   | 8   | 8   | 8   | 8   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| II  | II  | II  | II  | II  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment : No  | Dangerous for the environment : No<br>Marine pollutant : No                         | Dangerous for the environment : No  | Dangerous for the environment : No  | Dangerous for the environment : No  |
| No supplementary information available  |   |   |   |   |



# Caustic Soda

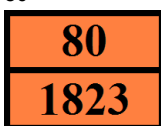
## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 14.6. Special precautions for user

#### Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)                                 | : C6          |
| Limited quantities (ADR)                                  | : 1kg         |
| Excepted quantities (ADR)                                 | : E2          |
| Packing instructions (ADR)                                | : P002, IBC08 |
| Special packing provisions (ADR)                          | : B4          |
| Mixed packing provisions (ADR)                            | : MP10        |
| Portable tank and bulk container instructions (ADR)       | : T3          |
| Portable tank and bulk container special provisions (ADR) | : TP33        |
| Tank code (ADR)   | : SGAN        |
| Vehicle for tank carriage                                 | : AT          |
| Transport category (ADR)                                  | : 2           |
| Special provisions for carriage - Packages (ADR)          | : V11         |
| Hazard identification number (Kemler No.)                 | : 80          |
| Orange plates   | :             |



|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 2W |

#### Transport by sea

|                                    |  |
|------------------------------------|--|
| Limited quantities (IMDG)          | : 1 kg   |
| Excepted quantities (IMDG)         | : E2   |
| Packing instructions (IMDG)        | : P002   |
| IBC packing instructions (IMDG)    | : IBC08  |
| IBC special provisions (IMDG)      | : B21, B4  |
| Tank instructions (IMDG)           | : T3   |
| Tank special provisions (IMDG)     | : TP33   |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : A  |
| Segregation (IMDG)                 | : SGG18, SG35  |
| Properties and observations (IMDG) | : White pellets, flakes, lumps or solid blocks, deliquescent. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids. |

#### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y844 |
| PCA limited quantity max net quantity (IATA) | : 5kg  |
| PCA packing instructions (IATA)              | : 859  |
| PCA max net quantity (IATA)                  | : 15kg |
| CAO packing instructions (IATA)              | : 863  |
| CAO max net quantity (IATA)                  | : 50kg |
| ERG code (IATA)                              | : 8L   |

#### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C6     |
| Limited quantities (ADN)          | : 1 kg   |
| Excepted quantities (ADN)         | : E2     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

#### Rail transport

|   |               |
|---|---------------|
| Classification code (RID)                           | : C6          |
| Limited quantities (RID)                            | : 1kg         |
| Excepted quantities (RID)                           | : E2          |
| Packing instructions (RID)                          | : P002, IBC08 |
| Special packing provisions (RID)                    | : B4          |
| Mixed packing provisions (RID)                      | : MP10        |
| Portable tank and bulk container instructions (RID) | : T3          |

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAN  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W11  
Colis express (express parcels) (RID) : CE10  
Hazard identification number (RID) : 80

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Caustic Soda is not on the REACH Candidate List

Caustic Soda is not on the REACH Annex XIV List

Caustic Soda is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Caustic Soda is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

New format.

| Section | Changed item                   | Change   | Comments |
|---------|--------------------------------|----------|----------|
| 1.4     | Additional information         | Modified |          |
| 2.2     | Precautionary statements (CLP) | Modified |          |

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|         |  |
|---------|--|
| EN      | European Standard  |
| IARC    | International Agency for Research on Cancer                                  |
| IATA    | International Air Transport Association                                      |
| IMDG    | International Maritime Dangerous Goods                                       |
| LC50    | Median lethal concentration  |
| LD50    | Median lethal dose   |
| LOAEL   | Lowest Observed Adverse Effect Level   |
| NOAEC   | No-Observed Adverse Effect Concentration                                     |
| NOAEL   | No-Observed Adverse Effect Level   |
| NOEC    | No-Observed Effect Concentration   |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit  |
| PBT     | Persistent Bioaccumulative Toxic   |
| PNEC    | Predicted No-Effect Concentration  |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet  |
| STP     | Sewage treatment plant   |
| ThOD    | Theoretical oxygen demand (ThOD)   |
| TLM     | Median Tolerance Limit   |
| VOC     | Volatile Organic Compounds   |
| CAS-No. | Chemical Abstract Service number   |
| N.O.S.  | Not Otherwise Specified  |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties  |

### Full text of H- and EUH-statements:

|               |  |
|---------------|--|
| Eye Dam. 1    | Serious eye damage/eye irritation, Category 1          |
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2          |
| Met. Corr. 1  | Corrosive to metals, Category 1                        |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                  |
| H290          | May be corrosive to metals.                            |
| H314          | Causes severe skin burns and eye damage.               |
| H315          | Causes skin irritation.                                |
| H318          | Causes serious eye damage.                             |
| H319          | Causes serious eye irritation.                         |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

# Caustic Soda

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

---

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