

## SODIUM HYDROXIDE PELLETS MSDS

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

#### 1.1. Product identifier

Product form : Substance

CAS-No. : 1310-73-2

Product code : S 2025

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only

##### 1.2.2. Uses advised against

No additional information available

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation,

Category 1A H314

Serious eye damage/eye

irritation, Category 1 H318

Full text of H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :

Signal word (CLP) : Danger

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

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/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)

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name : SODIUM HYDROXIDE PELLETS EXTRA PURE

CAS-No. : 1310-73-2

Full text of R- and 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 after inhalation : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after eye contact : Causes serious eye damage.

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

No additional information available

#### **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media : Dry powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

#### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Do not get in eyes, on skin, or on clothing.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

6.4. Reference to other sections

No additional information available

#### **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture.

7.3. Specific end use(s)

No additional information available

#### **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : protective gloves

Eye protection : Chemical goggles or face shield

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask

## SECTION 9: Physical and chemical properties

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

Physical state : Solid  
Molecular mass : 163.39 g/mol  
Colour : White pellets.  
Odour : odourless.  
Odour threshold : No data available  
pH : 13 - 14  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : 318 °C  
Freezing point : No data available  
Boiling point : 13900 °C  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : < 24 hPa at 20 °C  
Relative vapour density at 20 °C : > 1  
Relative density : No data available  
Density : 2.13 g/cm<sup>3</sup>  
Solubility : Water: 111 g/100ml  
Log Pow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available  
9.2. Other information  
No additional information available

## SECTION 10: Stability and reactivity

10.1. Reactivity  
Thermal decomposition generates : Corrosive vapours.  
10.2. Chemical stability  
Stable under normal conditions.  
10.3. Possibility of hazardous reactions  
No additional information available  
10.4. Conditions to avoid  
Direct sunlight. Air contact. Moisture.  
10.5. Incompatible materials  
No additional information available  
10.6. Hazardous decomposition products  
Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

11.1. Information on toxicological effects  
Acute toxicity : Not classified  
Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 13 - 14  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 13 - 14  
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

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 1823

UN-No. (IMDG) : 1823

UN-No. (IATA) : 1823

UN-No. (ADN) : 1823

UN-No. (RID) : 1823

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : SODIUM HYDROXIDE, SOLID

Proper Shipping Name (IMDG) : SODIUM HYDROXIDE, SOLID

Proper Shipping Name (IATA) : Sodium hydroxide, solid

Proper Shipping Name (ADN) : SODIUM HYDROXIDE, SOLID

Proper Shipping Name (RID) : SODIUM HYDROXIDE, SOLID

Transport document description (ADR) : UN 1823 SODIUM HYDROXIDE, SOLID, 8, II, (E)

Transport document description (IMDG) : UN 1823 SODIUM HYDROXIDE, SOLID, 8, II

Transport document description (IATA) : UN 1823 Sodium hydroxide, solid, 8, II

Transport document description (ADN) : UN 1823 SODIUM HYDROXIDE, SOLID, 8, II

Transport document description (RID) : UN 1823 SODIUM HYDROXIDE, SOLID, 8, II

### 14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

### 14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

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) : B2, 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) : SG35  
MFAG-No : 154  
- 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  
Classification code (ADR) : C6  
Carriage permitted (ADN) : T  
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  
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 73/78 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

SODIUM HYDROXIDE PELLETS (OR PEARLS) EXTRA PURE is not on the REACH Candidate List

SODIUM HYDROXIDE PELLETS (OR PEARLS) EXTRA PURE is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV; ID No. 142)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Borstvoeding

: The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen –

Vruchtbaarheid

: The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling

: The substance is not listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Eye Dam. 1 Serious eye damage/eye irritation, Category 1

Skin Corr. 1A Skin corrosion/irritation, Category 1A

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

R35 Causes severe burns

C Corrosive

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text