

## **MATERIAL SAFETY DATA SHEET**

### **SODIUM HYDROXIDE PELLETS**

**Extra Pure**

**MSDS CAS: - 1310-73-2**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name: SODIUM HYDROXIDE PELLETS Extra Pure**

**CAS#: - 1310-73-2**

**C.I. No.: Not available.**

**Synonym: Not available.**

**Chemical Name: Not available.**

**Chemical Formula: NaOH**

**Brand: OXFORD**

##### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification: OXFORD LAB FINE CHEM LLP**  
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Navghar, Vasai (East). Palghar - 401 210.  
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Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight
SODIUM HYDROXIDE PELLETS	1310-73-2	100

## Section 3: Hazards Identification

### 3.1. Classification of the substance or mixture

#### Classification EC 67/548 or EC 1999/45

Classification : C; R35

#### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318 Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

### 3.2. Label elements

#### Labelling EC 67/548 or EC 1999/45

Symbol(s) : C : Corrosive

R Phrase(s) : R35 : Causes severe burns.

S Phrase(s) : S1/2 : Keep locked up and out of reach of children. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 : Wear suitable gloves and eye/face protection.

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

Contains : Hidróxido de sodio

#### Labelling Regulation EC 1272/2008 (CLP)

Signal words : Danger

Hazard statements : H314 : Causes severe skin burns and eye damage.

#### Precautionary statements

• General : P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

• Prevention : P280: Wear protective gloves, protective clothing, eye protection, face protection.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

## Section 3: Hazards Identification (Continued)

**P264: Wash thoroughly after handling.**

• **Response : P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.**

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

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

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

**P363: Wash contaminated clothing before reuse.**

• **Storage : P405: Store locked up.**

• **Disposal considerations : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.**

**Contains : Hidróxido de sodio**

### 3.3. Other hazards

**Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.**

## Section 4: First Aid Measures

### 4.1. Description of first aid measures

**Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.**

**Skin contact : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.**

**Eye contact : Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.**

**Ingestion : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.**

## Section 4: First Aid Measures (Continued)

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

Symptoms relating to use : Causes severe skin burns and eye damage.

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

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

Surrounding fires : Use water spray or fog for cooling exposed containers.

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

Hazardous combustion products : Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.

### 5.3. Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

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

**For emergency responders :** Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel :** Evacuate unnecessary personnel.

### 6.2. Environmental precautions

**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**Clean up methods :** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

## Section 7: Handling and Storage

### 7.1. Precautions for safe handling

**Handling :** Do not breathe dust, fume, gas, mist, vapours, spray. Avoid contact during pregnancy or while nursing. Wash thoroughly after handling.

**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.

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

**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage regulation :** Comply with applicable regulations.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Section 7: Handling and Storage (Continued)

### 7.3. Specific end use(s)

Specific end use(s) : None.

## Section 8: Exposure Controls/Personal Protection

### 8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

- Respiratory protection : Wear approved mask.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or face shield.
- Others : When using, do not eat, drink or smoke.

### 8.2. Control parameters

Occupational Exposure Limits : No data available.

## Section 9: Physical and Chemical Properties

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

Physical state at 20 °C	: Solid.
Colour	: White pellets
Odour	: Odorless
Molecular Weight	: 40.00
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 318 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A

**Section 9: Physical and Chemical Properties (Continued)**

Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: 13900C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: < 24 hPa at 20 °C
Vapour pressure mm/Hg	: N/A
Vapour density	: >1
Density [g/cm <sup>3</sup> ]	: 2,13
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 111 g/100 g of water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 13 - 14
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**Section 10: Stability and Reactivity Data****10.1. Reactivity**

Reactivity : Not established.

**10.2. Chemical stability**

Chemical stability : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : Not established.

**10.4. Conditions to avoid**

## Section 10: Stability and Reactivity Data (Continued)

**Conditions to avoid :** Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

**Materials to avoid :** Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products :** Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

- **Inhalation :** Based on available data, the classification criteria are not met.
- **Dermal :** Based on available data, the classification criteria are not met.
- **Ingestion :** Based on available data, the classification criteria are not met.

**Corrosion :** Causes severe skin burns and eye damage. Causes serious eye damage.

**Irritation :** Based on available data, the classification criteria are not met.

**Sensitization :** Based on available data, the classification criteria are not met.

**Mutagenicity :** Based on available data, the classification criteria are not met.

**Carcinogenicity :** Based on available data, the classification criteria are not met.

**Toxic for reproduction :** Based on available data, the classification criteria are not met.

**STOT-single exposure :** Based on available data, the classification criteria are not met.

**STOT-repeated exposure :** Based on available data, the classification criteria are not met.

**Aspiration hazard :** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

### 12.1. Toxicity

**Toxicity information :** Not established.

## Section 12: Ecological Information (Continued)

### 12.2. Persistence – degradability

Persistence - degradability : Biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

### 12.4. Mobility in soil

Mobility in soil : Not established.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

## Section 13: Disposal Considerations

### 13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

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

## Section 14: Transport Information

### 14.1. Land transport (ADR-RID)

Proper shipping name	: SODIUM HYDROXIDE, SOLID
UN N°	: 1823
H.I. nr	: 80
ADR - Class	: 8
Labelling - Transport	: 8 : Corrosive substance.
ADR - Group	: II

### 14.2. Sea transport (IMDG) [English only]

Proper shipping name	: SODIUM HYDROXIDE, SOLID
UN N°	: 1823
IMO-IMDG - Class or division	: 8 : Corrosive substance.
IMO-IMDG - Packing group	: II

### 14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name	: SODIUM HYDROXIDE, SOLID
UN N°	: 1823
IATA - Class or division	: 8 : Corrosive substance.
IATA - Packing group	: II

## Section 15: Other Regulatory Information

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

**Safety, health and environmental regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII** : The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV** : The components of this product are not subject to authorization.

### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment** : It has not been carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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