

# Material Safety Data Sheet



**SODIUM HYDROXIDE PELLETS LR**

**VERSION : 04**

**DATE OF ISSUE : 01-08-2023**

**SUPERSEDES : 03**

**Product Code : 18500**

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name** : SODIUM HYDROXIDE PELLETS LR  
**Product code** : 18500  
**Identification of the product** : SODIUM HYDROXIDE PELLETS LR  
**CAS No** : 1370-73-2

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

**Identified uses** : Laboratory chemicals, Manufacture of substances

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

**Company identification** : MOLYCHEM  
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)  
Tel:+91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat  
Textile Co.,Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

**Emergency number** : +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification –DSD**

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

Corrosive to Metals, (Category 1) H290: May be corrosive to metals.  
Skin corrosion, (Sub-category 1A) H314: Causes severe skin burns and eye damage.  
Serious eye damage, (Category 1) H318: Causes serious eye damage.

### **2.2. Label elements**

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

**Symbol(s)** : C : Corrosive



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

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

**Hazard pictograms**



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Signal Word                      Danger

Hazard Statements

H290                              May be corrosive to metals.

H314                              Causes severe skin burns and eye damage.

Precautionary Statements

P234                              Keep only in original packaging.

P260                              Do not breathe dust.

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

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

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.

Supplemental Hazard Statements                      none

**2.3. Other hazards :** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **3.Composition/information on ingredients**

### **3.1 Substances**

Formula                              : NaOH

Molecular weight                      : 40 g/mol

CAS-No.                              : 1310-73-2

No components need to be disclosed according to the applicable regulations.

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **General advice**

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

#### **If inhaled**

After inhalation: fresh air.

#### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### **In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

#### **If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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


The most important known symptoms and effects are described in the labelling (see section 2.2) and/or

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in section 11

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

No data available

### **5. Fire-fighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Sulfur oxides

Not combustible.

Ambient fire may liberate hazardous vapours.

#### **5.3. Advice for fire-fighters**

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### **5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **6. Accidental release measures**

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

#### **6.2. Environmental precautions**

Do not let product enter drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

#### **6.4. Reference to other sections**

For disposal see section 13.

### **7. Handling and storage**

#### **7.1. Precautions for safe handling**

For precautions see section 2.2.

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

##### **Storage conditions**

No aluminium, tin, or zinc containers. No metal containers. Tightly closed. Dry.

##### **Storage class**

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Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

## 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 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.  
Skin protection : Wear suitable protective clothing.  
Eye protection : Chemical goggles or safety glasses.  
Others : When using, do not eat, drink or smoke.

### 8.2. Control parameters

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

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

Physical state : Pellets  
Color : White  
Odor : odorless  
Melting point/freezing point : Melting point/range: 318 °C - dec.  
Initial boiling point and boiling range : 1.390 °C at 1.013 hPa  
Flammability (solid, gas) : No data available.  
Upper/lower flammability or explosive limits : No data available  
Flash point : Not applicable  
Autoignition temperature : No data available  
Decomposition temperature : No data available  
pH : > 14 at 100 g/l at 20 °C  
Viscosity : Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Water solubility : completely soluble  
Partition coefficient: n-octanol/water : No data available  
Vapor pressure : No data available  
Density : 2.13 g/cm<sup>3</sup> at 20 °C  
Relative density : No data available  
Relative vapor density : No data available

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No data available

## 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

Harmful effect due to pH shift. Forms corrosive mixtures with water even if diluted.

Neutralisation possible in waste water treatment plants. Discharge into the environment must be avoided.

## 13. Disposal considerations

### 13.1. Waste treatment methods

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

Product/Packaging disposal recommendations : Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

## 14. Transport information

### 14.1. UN number

ADR/RID: 1823

IMDG : 1823

IATA: 1823

### 14.2. UN proper shipping name

ADR/RID :

SODIUM HYDROXIDE, SOLID

IMDG:

SODIUM HYDROXIDE, SOLID

IATA:

SODIUM HYDROXIDE, SOLID

### 14.3. Transport hazard class(es)

ADR/RID : 8

IMDG : 8

IATA : 8

### 14.4. Packaging group

ADR/RID : II

IMDG : II

IATA : II

### 14.5 Environmental hazards

ADR/RID : no

IMDG : Marine pollutant: no

IATA : no

### 14.6 Special precautions for user

#### **Further information**

Not classified as dangerous in the meaning of transport regulations.

## 15. Regulatory information


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

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

**15.2. Chemical Safety Assessment**

A Chemical Safety Assessment has been carried out for this substance.

**16. Other information**

**Abbreviations and acronyms :**

PBT : persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008  
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**End of document**

**Prepared by: MOLYCHEM (INDIA)**

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