**OXFORD LAB FINE CHEM LLP**
ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

# SODIUM HYDROXIDE 0.1 mol/L (N/10) (0.1N) For 500 ml Solution

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**
**Product Name: SODIUM HYDROXIDE 0.1 mol/L (N/10) (0.1N) For 500 ml Solution**
**CAS#: Not available.**
**Chemical Name: SODIUM HYDROXIDE 0.1 mol/L (N/10) (0.1N) For 500 ml Solution**
**Chemical Formula: NaOH**

**Brand : OXFORD**

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

**Company identification:** **OXFORD LAB FINE CHEM LLP**
**Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,**
**Navghar, Vasai (East). Palghar - 401 210.**
**Mumbai, Maharashtra, INDIA.**
**Tel: 91-250-2390989**
**Tel/Fax: 91-250-2390032**

## Section 2: Composition and Information on Ingredients

**Substance / Preparation: Preparation.**
**Hazardous component(s): This product is hazardous.**

| SUBSTANCE NAME | CAS NO. | CONTENTS |
|---|---|---|
| Hidróxido de sodio | 1310-73-2 | > 1 < 5 % |
| Water | 7732-18-5 | > 75 < 99 % |

# Section 3: Hazards Identification

**Classification of the substance or mixture**
**Classification EC 67/548 or EC 1999/45**
**Classification : Xi; R36/38**

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**
**Health hazards:** **Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319**
**Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315**

**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

**Description of first aid measures:**

**Inhalation:** **Assure fresh air breathing. Allow the victim to rest.**

**Skin contact:** **Specific treatment (see on this label). Get medical advice. If skin irritation occurs :Wash with plenty of soap and water. Wash contaminated clothing before reuse.**

**Eye contact:** **If eye irritation persists : Get medical advice. Remove contact lenses, if present andeasy to do. Continue rinsing. Rinse cautiously with water for several minutes.**

**Ingestion:** **Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.**

**Most important symptoms and effects, both acute and delayed:**

**Symptoms relating to use:** **Causes serious eye irritation.**

**Causes skin irritation.**

**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).**

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# Section 5: Fire and Explosion Data

**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.

**Special hazards arising from the substance or mixture:**
**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

**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

**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.

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

**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.

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## Section 7: Handling and Storage

**Precautions for safe handling**

**Handling :** **Wash thoroughly after handling.**

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

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

## Section 8: Exposure Controls/Personal Protection

**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.**

**Control parameters:**

**Occupational Exposure Limits: No data available.**

## Section 9: Physical and Chemical Properties

| | |
|---|---|
| **Physical state and appearance** | **: Liquid.** |
| **Odor** | **: Characteristic.** |
| **Taste** | **: Not available.** |
| **Molecular Weight** | **: 40.00** |
| **Color** | **: Colorless.** |
| **pH (1% soln/water)** | **: Not available.** |
| **Boiling Point** | **: Not available.** |

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

| | |
|---|---|
| **Melting Point** | **: Not available.** |
| **Critical Temperature** | **: Not available.** |
| **Specific Gravity** | **: Not available.** |
| **Vapor Pressure** | **: Not applicable.** |
| **Vapor Density** | **: Not available.** |
| **Volatility** | **: Not available.** |
| **Odor Threshold** | **: Not available.** |
| **Water/Oil Dist. Coeff.** | **: Not available.** |
| **Ionicity (in Water)** | **: Not available.** |
| **Dispersion Properties** | **: Not available.** |
| **Solubility** | **: 12 - 13** |

## Section 10: Stability and Reactivity Data

**Stability:** **Stable under recommended storage conditions**

**Instability Temperature:** **Not available.**

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

**Incompatibility with various substances:** **Not available.**

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

**Special Remarks on Reactivity:** **Not available.**

**Special Remarks on Corrosivity:** **Not available.**

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

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# Section 11: Toxicological Information

**Information on toxicological effects:**

**Toxicity information:** **The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.**

**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.**

**Irritation: Causes serious eye irritation.**
**Causes skin irritation.**
**Corrosion: 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

**Toxicity information:** **Not available.**

**BOD5 and COD:** **Not available.**

**Persistence - degradability:** **Biodegradable.**

**Bioaccumulative potential:** **Not established.**

**Toxicity of the Products of Biodegradation:** **Not available.**

**Special Remarks on the Products of Biodegradation:** **Not available.**

**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.**

**Environmental precautions:** **Avoid release to the environment.**

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# Section 13: Disposal Considerations

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

# Section 14: Transport Information

## Land transport (ADR-RID)

**Proper shipping name** : **SODIUM HYDROXIDE SOLUTION**
**UN N°** : **1824**
**ADR - Class** : **8**
**Labelling – Transport** : **8 : Corrosive substance.**

## Sea transport (IMDG) [English only]

**Proper shipping name** : **SODIUM HYDROXIDE SOLUTION.**
**UN N°** : **1824**
**IMO-IMDG - Class or division** : **8 : Corrosive substance.**
**IMO-IMDG - Packing group** : **II**

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

**Proper shipping name** : **SODIUM HYDROXIDE SOLUTION**
**UN N°** : **1824**
**IATA - Class or division** : **8 : Corrosive substance.**
**IATA - Packing group** : **II**

# Section 15: Other Regulatory Information

**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.**

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## Section 15: Other Regulatory Information (Continued)

**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.**

**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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