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

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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

# SODIUM HYDROXIDE SOLUTION N/10 (0.1N)
# MSDS CAS:

**Issue date: 03-12-2023 Revision date: 03-12-2023**

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**
**Product Name: SODIUM HYDROXIDE SOLUTION N/10**
**CAS#: Not available.**
**Synonym: Not available.**
**Chemical Name: Not available.**
**Chemical Formula: Not available.**

**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,**
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**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 |
|---|---|---|
| Sodium hydroxide | 1310-73-2 | 0.4 - 0.8 |
| Water | 7732-18-5 | > 99 % |

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# Section 3: Hazards Identification

**Classification of the substance or mixture**
**Classification EC 67/548 or EC 1999/45**
**Classification Not classified.**

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**
**Not classified.**

**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:** **Wash contaminated clothing before reuse. Specific treatment (see on this label).**

**Wash with plenty of soap and water. If skin irritation occurs: Get medical advice.**

**Eye contact:** **Get medical advice. If eye irritation persists: Remove contact lenses, if present and easy 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: : Not expected to present a significant hazard under anticipated conditions of normal use.**

**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** : 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.

# Section 7: Handling and Storage

**Precautions for safe handling**
**Handling:** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

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## Section 7: Handling and Storage (Continued)

**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** | **: Odorless.** |
| **Taste** | **: Not available.** |
| **Molecular Weight** | **: Not available.** |
| **Color** | **: Colorless.** |
| **pH (1% soln/water)** | **: 12-13** |
| **Boiling Point** | **: Not available.** |
| **Melting Point** | **: Not available.** |
| **Critical Temperature** | **: Not available.** |
| **Specific Gravity** | **: Not available.** |
| **Vapor Pressure** | **: Not applicable.** |
| **Vapor Density** | **: Not available.** |
| **Volatility** | **: Not available.** |

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

**Water/Oil Dist. Coeff.** : **Not available.**
**Ionicity (in Water)** : **Not available.**
**Dispersion Properties** : **Not available.**
**Solubility** : **Soluble in water.**

## Section 10: Stability and Reactivity Data

**Reactivity: Not established.**

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

**Instability Temperature: Not available.**

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

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

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

## 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.**

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## Section 11: Toxicological Information (Continued)

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

**Persistence - degradability: Biodegradable.**

**Bioaccumulative potential: Not established.**

**Toxicity of 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.**

## 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)**

**General Information : Not Regulated**

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## Section 14: Transport Information (Continued)

**Sea transport (IMDG) [English only]**

**General Information : Not Regulated**

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

**General Information : Not Regulated**

## Section 15: Other Regulatory Information

**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.**

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

## Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

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