

## **MATERIAL SAFETY DATA SHEET**

### **SODIUM HYPOCHLORITE SOLUTION** **MSDS CAS:**

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

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

**Product Name:** SODIUM HYPOCHLORITE SOLUTION

**CAS#:** Not available.

**Chemical Name:** SODIUM HYPOCHLORITE SOLUTION

**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,  
Navghar, Vasai (East). Palghar - 401 210.  
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#### **Section 2: Composition and Information on Ingredients**

**Substance / Preparation:** SODIUM HYPOCHLORITE SOLUTION

**CAS#:** Not available.

**Substance.**

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

| SUBSTANCE NAME                | CAS NO. | CONTENTS |
|-------------------------------|---------|----------|
| Sodium hypochlorite, solution | -       | 100 %    |

Contains no other components or impurities which will influence the classification of the product.

## Section 3: Hazards Identification

**Classification of the substance or mixture**

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

**Classification** : R31  
C; R34  
N; R50

**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 1B - Danger (CLP: Skin Corr. 1B) H314**

**Environmental hazards:** Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP: Aquatic Acute 1) H400

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

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

**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 or doctor.

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

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

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

### 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

### Extinguishing media:

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | <b>: Foam. Dry powder. Carbon dioxide. Water spray. Sand.</b>   |
| <b>Unsuitable extinguishing media</b> | <b>: Do not use a heavy water stream.</b>                       |
| <b>Surrounding fires</b>              | <b>: Use water spray or fog for cooling exposed containers.</b> |

### Special hazards arising from the substance or mixture:

|                                      |                                                                                                                           |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous combustion products</b> | <b>: Under fire conditions, hazardous fumes will be present.<br/>Thermal decomposition generates : Corrosive vapours.</b> |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------|

### Advice for fire-fighters:

|                                                                         |                                                                           |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Protection against fire<br/>including respiratory protection.</b>    | <b>: Do not enter fire area without proper protective equipment,</b>      |
| <b>Special procedures<br/>fire-fighting water to enter environment.</b> | <b>: Exercise caution when fighting any chemical fire. Avoid (reject)</b> |

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| <b>For emergency responders</b> | <b>: Equip cleanup crew with proper protection.<br/>: Ventilate area.</b> |
|---------------------------------|---------------------------------------------------------------------------|

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

### Environmental precautions

|                                  |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | <b>: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.</b> |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

### Methods and material for containment and cleaning up:

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clean up methods</b> | <b>: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.</b> |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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.

**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**

: Not applicable.

**Taste**

: Not available.

**Molecular Weight**

: Not available.

**Color**

: Colorless to yellowish.

**pH (1% soln/water)**

: Not available.

**Boiling Point**

: Not available.

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

|                        |                     |
|------------------------|---------------------|
| Melting Point          | : Not available.    |
| Critical Temperature   | : Not available.    |
| Specific Gravity       | : Not available.    |
| Vapor Pressure         | : 23.3 hPa at 20 °C |
| 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             | : 100% in water     |

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Reactivity:** Highly reactive material.

**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.  
Thermal decomposition generates : Corrosive vapours.

## Section 11: Toxicological Information

### 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.

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

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

Causes serious eye damage.

**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:** Very toxic to aquatic life.

**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.

## Section 13: Disposal Considerations

**Waste Disposal:** 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

### Land transport (ADR-RID)

**Proper shipping name :** HYPOCHLORITE SOLUTION

**UN N° :** 1791

**ADR - Class :** 8

**Labelling – Transport :** 8 : Corrosive substance.

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

**Proper shipping name :** HYPOCHLORITE SOLUTION

**UN N° :** 1791

**IMO-IMDG - Class or division :** 8 : Corrosive substance.

**IMO-IMDG - Packing group :** III

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

**Proper shipping name :** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

**UN N° :** 3264

**IATA - Class or division :** 8 : Corrosive substance.

**IATA - Packing group :** III

## 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.

## 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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