OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

SILICON AAS STANDARD SOLUTION 1000±2 mg/Ltr. Si In H_2O

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: SILICON AAS STANDARD SOLUTION 1000±2 mg/Ltr. Si In H_2O
CAS#: Not available.
Chemical Name: SILICON AAS STANDARD SOLUTION 1000±2 mg/Ltr. Si In H_2O
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.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

SUBSTANCE NAME	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
WATER	CAS-No.: 7732-18-5 EC-No.: 231-791-2	95 – 98	Not classified
SODIUM HYDROXIDE PELLETS AR	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6	1 – 3	Skin Corr. 1A, H314
SILICON DIOXIDE	CAS-No.: 60676-86-0 EC-No.: 238-878-4	0.1 – 0.4	Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373

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Section 3: Hazards Identification

Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification : C; R34

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Health hazards: Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

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

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: Causes severe skin burns and 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).

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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. Thermal decomposition generate Corrosive vapours**

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.**

Section 7: Handling and Storage

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.**

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 face shield**
- **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	**: Liquid.**
Appearance	**: Clear liquid.**
Odor	**: Odourless**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Colorless.**
pH	**: > 12 at 20 °C**

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Section 9: Physical and Chemical Properties (Continued)

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.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Density	**: 1.022 g/cm^3 at 20 °C**
Solubility	**: Water: Miscible**

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. Thermal decomposition generates : Corrosive vapours**

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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: Causes severe skin burns and 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: **The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations**

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. 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	**: SODIUM HYDROXIDE SOLUTION**
UN N°	**: 1824**
ADR - Class	**: 8**
ADR - Packing group	**: II**

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**

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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.**

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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The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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