OXFORD LAB FINE CHEM LLP

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

TETRA BUTYL AMMONIUM HYDROXIDE 10% SOLUTION

(10% Solution in Water)
MSDS CAS: 2052-49-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: TETRA BUTYL AMMONIUM HYDROXIDE 10%SOLUTION (10% Solution in Water)
CAS#: 2052-49-5
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,
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 not hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
TETRABUTYL AMMONIUM HYDROXIDE	> 25 < 35 %	-----	-----	-----	-----	Not classified (DSD/DPD) ---------- Not defined (GHS)

Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Water	> 75 < 99 %	7732-18-5	231-791-2	-----	-----	Not classified (DSD/DPD) ---------- Not defined (GHS)

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Not classified.

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

Label elements

Labelling EC 67/548 or EC 1999/45: Not classified.

Symbol(s): None.

R Phrase(s): None.

S Phrase(s): None.

Contains: Water - TETRABUTYL AMMONIUM HYDROXIDE AR

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

Section 4: First Aid Measures (Continued)

Skin contact: **Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor.**

Eye contact: **Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. 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: **Obtain emergency medical attention. 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 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

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 generates: **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

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. Store away from other materials. Collect spillage.

Reference to other sections: See section 8. Exposure controls/personal protection

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 regulation: Comply with applicable regulations.

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

Specific end use(s): None.

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

Information on basic physical and chemical properties

Physical state at 20 °C: Liquid.
Colour: Colorless
Odour: Characteristic.
Odour threshold: No data available.
pH value: No data available.
Melting point [°C]: No data available.
Decomposition point [°C]: N/A
Density [g/cm3]: 0,995
Relative density, gas (air=1): N/A
Relative density, liquid (water=1): N/A
Solubility in water [% weight]: Miscible in water
Solubility in water: No data available.
Log Pow octanol / water at 20°C: No data available.
Solubility: N/A
Viscosity at 40°C [mm2/s]: No data available.

Other information

Explosive properties: N/A
Explosion limits - upper [%]: No data available.
Explosion limits - lower [%]: No data available.
Oxidising properties: No data available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Not established.
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.
Thermal decomposition generates: Corrosive vapours.

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

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

Section 12: Ecological Information (Continued)

Persistence – degradability: Biodegradable.
Bioaccumulative potential: Not established.
Mobility in soil: Not established.

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.

Other adverse effects
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: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
UN N°: 3267
H.I. nr: 80
ADR - Class: 8
ADR - Group: II

Sea transport (IMDG) [English only]
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
UN N°: 3267
IMO-IMDG - Class or division: 8: Corrosive substance.
IMO-IMDG - Packing group: II

Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
UN N°: 3267
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:
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: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

OXFORD LAB FINE CHEM LLP

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

Disclaimer:

****

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.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.