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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

TETRA METHYL AMMONIUM HYDROXIDE SOLUTION 25% IN WATER

MSDS CAS: 75-59-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: TETRA METHYL AMMONIUM HYDROXIDE SOLUTION 25% IN WATER
CAS#: 75-59-2
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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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
TETRA METHYL AMMONIUM HYDROXIDE SOLUTION 25% IN WATER	75-59-2	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45:

Classification: Xn; R21/22
C; R34

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards: Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302 Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314 Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312

Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s): C: Corrosive
R Phrase(s): R21/22: Harmful in contact with skin and if swallowed.
R34: Causes burns.
S Phrase(s): S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

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

Section 4: First Aid Measures (Continued)

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

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: **Causes severe skin burns and eye damage. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Swallowing a small quantity of this material will result in serious health hazard.**

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.**

Section 6: Accidental Release Measures (Continued)

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:
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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

Section 7: Handling and Storage

Precautions for safe handling
Handling: Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not breathe dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product.

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.

Section 8: Exposure Controls/Personal Protection (Continued)

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:	**Clear Colorless**
Odour:	**N/A**
Odour threshold:	**No data available.**
pH value:	**No data available.**
Melting point [°C]:	**No data available.**
Flash point [°C]:	**27 °C**
Vapour pressure [20°C]:	**23.3 hPa at 20 °C**
Density [g/cm3]:	**0,866**
Solubility in water [% weight]:	**Miscible in water**
Log Pow octanol / water at 20°C:	**No data available.**
Solubility:	**N/A**
Viscosity at 40°C [mm2/s]:	**N/A**

Other information

Explosive properties:	**N/A**
Explosion limits - upper [%]:	**N/A**
Explosion limits - lower [%]:	**N/A**
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.

Section 10: Stability and Reactivity Data (Continued)

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

Incompatible materials: 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

Acute toxicity:

Inhalation:	Based on available data, the classification criteria are not met.
Dermal:	Harmful in contact with skin.
Ingestion:	Harmful if swallowed.
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 information: Not established.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Section 12: Ecological Information (Continued)

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 treatment methods

General: **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: **TETRAMETHYLAMMONIUM HYDROXIDE**
UN N°: **1835**
H.I. nr: **80**
ADR - Class: **8**
ADR - Group: **II**

Sea transport (IMDG) [English only]

Proper shipping name: **TETRAMETHYLAMMONIUM HYDROXIDE**
UN N°: **1835**
IMO-IMDG - Class or division: **8: Corrosive substance.**
IMO-IMDG - Packing group: **II**

Air transport (ICAO-IATA) [English only]

Proper shipping name: **TETRAMETHYLAMMONIUM HYDROXIDE**
UN N°: **1835**
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.

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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