

MATERIAL SAFETY DATA SHEET

NESSLER'S REAGENT

MSDS CAS: 7783-33-7

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: NESSLER'S REAGENT

CAS#: 7783-33-7

C.I. No.: 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,
Navghar, Vasai (East). Palghar - 401 210.
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Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
NESSLER'S REAGENT	7783-33-7	100

Section 3: Hazards Identification

Classification EC 67/548 or EC 1999/45

Classification : T; R25
Xn; 48/21/22
C; R35
N; R51-53

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

Health hazards : Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP : STOT RE 2) H373
Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314
Acute toxicity, Oral - Category 2 - Danger (CLP : Acute Tox. 2) H300
Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2) H411

Other hazards

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

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

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

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 : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. Specific treatment (see on this label).

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Causes damage to organ.
Fatal if swallowed.
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

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

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Avoid release to the environment.

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.

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. Avoid contact during pregnancy or while nursing.

Do not breathe dust, fume, gas, mist, vapours, spray.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapor.

Section 7: Handling and Storage (Continued)

Special precautions : Avoid breathing dust, fume, gas, mist, vapours, spray.

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)

Specific end use(s): None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection

- Respiratory protection : Avoid all unnecessary exposure.
- Hand protection : Wear approved mask.
- Skin protection : Wear protective gloves.
- Eye protection : Wear suitable protective clothing.
- Others : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits : No data available.

Occupational Exposure Limits : Potassium hydroxide : OEL (UK)-STEL [ppm] : 2
Potassium hydroxide : HTP-värden - 8 H - [mg/m³] : 2
Potassium hydroxide : NGV - [mg/m³] : 1
Potassium hydroxide : VLA-EC [mg/m³] : 2

Section 9: Physical and Chemical Properties

Physical state at 20 °C	: Liquid
Colour	: Colorless
Odour	: Characteristic.
Odour threshold	: No data available.
pH value	: Not applicable.

Section 9: Physical and Chemical Properties (Continued)

Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Molecular Weight	: No data available.
Flash point [°C]	: N/A
Boiling point [°C]	: 1050C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 1,15
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Miscible in water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /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	
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	

Section 10: Stability and Reactivity Data (Continued)

Hazardous reactions	: Not established.
Conditions to avoid	
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Incompatible materials	
Materials to avoid	: Strong acids. Strong bases.
Hazardous decomposition products	
Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

Section 11: Toxicological Information

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	: Fatal 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	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

<u>Toxicity</u>	
Toxicity information	: Toxic to aquatic life with long lasting effects.

Section 12: Ecological Information (Continued)

Persistence - degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

Bioaccumulative potential

Bioaccumulative potential : Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

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.

Special precautions : Hazardous waste due to toxicity.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.
UN N° : 2922
H.I. nr : 86
ADR - Class : 8
Labelling - Transport : 8 : Corrosive substance. 6.1 : Toxic substances. 9 : Miscellaneous dangerous substances and articles.
ADR - Group : II

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name	: CORROSIVE LIQUID, TOXIC, N.O.S.
UN N°	: 2922
IMO-IMDG - Class or division	: 8 : Corrosive substance. (6.1 : Toxic substances.) (9 : Miscellaneous dangerous substances and articles.)
IMO-IMDG - Packing group	: II

Air transport (ICAO-IATA) [English only]

Proper shipping name	: CORROSIVE LIQUID, TOXIC, N.O.S.
UN N°	: 2922
IATA - Class or division	: 8 : Corrosive substance. (6.1 : Toxic substances.) (9 : Miscellaneous dangerous substances and articles.)
IATA - Packing group	: II

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.

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