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

n-OCTYL BROMIDE

(1-Bromo Octane)
(For Synthesis)
MSDS CAS : 111-83-1

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name : n-OCTYL BROMIDE
CAS#: 111-83-1
C.I. No.: Not available.
Synonym : Not available.
Chemical Name: Not available.
Chemical Formula: $CH_3(CH_2)_7Br$

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

Composition:

Name	CAS #	% by Weight
n-OCTYL BROMIDE	111-83-1	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : **N; R50**

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

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

Assure fresh air breathing. Allow the victim to rest.

Skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists.

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

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Not expected to present a significant hazard under anticipated conditions of normal use.

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

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.

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 materials for contain ent 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

Not available.

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.

Specific end uses

Specific end use(s) : None.

Section 8: Exposure Controls/Personal Protection

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **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 at 20 °C	: Liquid.
Colour	: Clear colorless
Odour	: Characteristic.
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: -55°C
Decomposition point [°C]	: No data available.
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.

Section 9: Physical and Chemical Properties (Continued)

Flammability (solid, gas)	**: No data available.**
Flash point [°C]	**: 80°C -closed cup**
Initial boiling point [°C]	**: No data available.**
Final boiling point [°C]	**: 201°C-lit.**
Evaporation rate	**: No data available.**
Vapour pressure [20°C]	**: 0,45 hPa at 25 °C**
Vapour density	**: 6,67-(Air=1.0)**
Density [g/cm3]	**: 1,118 g/mL at25 °C**
Relative density, liquid (water=1)	**: No data available.**
Solubility in water	**: No data available.**
Log Pow octanol / water at 20°C	**: No data available.**
Viscosity at 40°C [mm2/s]	**: No data available.**
Molacular Weight	**: 193.12**

Other information

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

Section 10: Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

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.

Section 10: Stability and Reactivity Data (Continued)

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

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.**
Corrosion	**: Based on available data, the classification criteria are not met.**
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 : Very toxic to aquatic life.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bioaccumulative potential

Bioaccumulative potential : Not established.

Mobility in soil

Mobility in soil: Not established.

Section 12: Ecological Information (Continued)

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 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 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN N° : 3082
H.I. nr : 90
ADR - Class : 9
Labelling - Transport : 9 : Miscellaneous dangerous substances and articles.
ADR - Group : III

Sea transport (IMDG) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN N° : 3082
IMO-IMDG - Class or division : 9 : Miscellaneous dangerous substances and articles.
IMO-IMDG - Packing group : III

Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

Proper shipping name	**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
UN N°	**: 3082**
IATA - Class or division	**: 9 : Miscellaneous dangerous substances and articles.**
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.

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.

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.