

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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MATERIAL SAFETY DATA SHEET

n-HEXANE 99% (For Synthesis)

MSDS CAS: 110-54-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: n-HEXANE 99% (For Synthesis)

CAS#: 110-54-3

Synonym:

Chemical Name: Not available.

Chemical Formula: C₆H₁₄

Molecular Weight: C₆H₁₄

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-HEXANE	110-54-3	100

Contains no other components or impurities which will influence the classification of the product.

Section 3: Hazards Identification

Classification of the substance or mixture:

Classification EC 67/548 or EC 1999/45

Classification: F; R11

Repr. Cat. 3; R62

Xn; R65-48/20

R67

Xi; R38

N; R51-53

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

Health hazards: Reproductive toxicity - Fertility - Category 2 - Warning (CLP : Repr. 2) H361

Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -

Category 3 - Warning (CLP : STOT SE 3) H335

Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -Warning (CLP : STOT SE 3) H336

Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP :STOT RE 2) H373

Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1) H304

Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

Physical hazards: Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2) H225

Environmental hazards: Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2) H411

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: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin contact: Wash contaminated clothing before reuse. If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

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

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

Section 4: First Aid Measures (Continued)

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes damage to organ.

May be fatal if swallowed and enters airways.

Suspected of damaging fertility.

Causes skin irritation. May cause respiratory irritation.

May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person.

If exposed or concerned : get medical advice.

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.

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.

Avoid breathing dust, fume, gas, mist, vapours, spray.

For non-emergency personnel : Evacuate unnecessary personnel.

Section 6: Accidental Release Measures (Continued)

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: Handle empty containers with care because residual vapours are flammable. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Obtain special instructions before use.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, equipment.

Special precautions: No naked lights. No smoking. 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 in fireproof place. Ground/bond container and receiving equipment. Keep container tightly closed.

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

Specific end use(s)

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 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 and appearance: Liquid.

Odor: Gasoline-like

Taste: Not available.

Molecular Weight: 86.18 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 68°C (154.4°F)

Melting Point: -95°C (-139°F)

Critical Temperature: Not available.

Specific Gravity: 0.66 (Water = 1)

Vapor Pressure: 151 mm Hg @ 25 deg C

Vapor Density: 2.97 (Air = 1)

Volatility: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

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.

Polymerization: No.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

- **Inhalation:** May be fatal if swallowed and enters airways.
- **Dermal:** Based on available data, the classification criteria are not met.
- **Ingestion:** May be fatal if swallowed and enters airways.

Corrosion: Based on available data, the classification criteria are not met.

Irritation: Causes skin irritation.

May cause respiratory irritation.

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: Suspected of damaging fertility.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

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Section 12: Ecological Information

Toxicity information: Toxic to aquatic life with long lasting effects.

BOD5 and COD: Not available.

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

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.

Section 13: Disposal Considerations

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.

Special precautions: Handle empty containers with care because residual vapours are flammable.
Hazardous waste due to toxicity.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : HEXANES

UN N° : 1208

ADR - Class : 3

Labelling – Transport : 3 : Flammable liquid.

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Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name : HEXANES
UN N° : 1208
IMO-IMDG - Class or division : 3 : Flammable liquid.
IMO-IMDG - Packing group : II

Air transport (ICAO-IATA) [English only]

Proper shipping name : HEXANES
UN N° : 1208
IATA - Class or division : 3 : Flammable liquid.
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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