

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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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

3-BROMO ANILINE 98% **(For Synthesis)** **(m-Bromoaniline)** **MSDS CAS: 591-19-5**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: 3-BROMO ANILINE

CAS#: 591-19-5

Synonym: m-Bromoaniline

Chemical Name: Not available.

Chemical Formula: C₆H₆BrN

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 |
|-----------------|----------|-------------|
| 3-Bromo Aniline | 591-19-5 | 100 |

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Section 3: Hazards Identification

Risk advice to man and the environment:

Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Irritating to skin.

Section 4: First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 6: Accidental Release Measures (Continued)

Methods for cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Face shield and safety glasses.

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

| | |
|------------------------------|-----------------------|
| Appearance Form | : Clear, liquid |
| Colour | : Light yellow |
| Molecular Weight | : 172.02 g/mole |
| pH | : No data available |
| Melting point | : 15-18 °C-lit. |
| Boiling point | : 251 °C-lit. |
| Flash point | : 110 °C - closed cup |
| Ignition temperature | : No data available |
| Lower explosion limit | : No data available |
| Upper explosion limit | : No data available |
| Density | : 1,58g/mL at 25 °C |
| Water solubility | : No data available |
| Water solubility | : No data available |

Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Acids, Acid chlorides, Acid anhydrides, Chloroformates, Strong oxidizing agents

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x), Hydrogen bromide gas

Section 11: Toxicological Information

Acute toxicity: No data available

Irritation and corrosion: No data available

Sensitisation: No data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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Section 11: Toxicological Information (Continued)

Signs and Symptoms of Exposure:

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation Toxic if inhaled. May cause respiratory tract irritation.

Skin Toxic if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion Toxic if swallowed.

Target Organs Liver injury may occur., Kidney injury may occur.,

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available

Ecotoxicity effects:

Toxicity to daphnia and other aquatic invertebrates. Ec50 - Daphnia magna (Water flea) - 3 mg/l - 48 h

Further information on ecology:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. No data available

Section 13: Disposal Considerations

Product:

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name: TOXIC Liquid, ORGANIC, N.O.S. (3-Bromoaniline)

UN N°: 2810

H.I. nr: -

ADR - Class: -

Labelling - Transport: 6.1

ADR - Group: III

Sea transport (IMDG) [English only]

Proper shipping name: TOXIC Liquid, ORGANIC, N.O.S. (3-Bromoaniline)

UN N°: 2810

IMO-IMDG - Class or division: 6.1

IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]

Proper shipping name: TOXIC Liquid, ORGANIC, N.O.S. (3-Bromoaniline)

UN N°: 2810

IATA - Class or division: 6.1

IATA - Packing group: III

Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols T Toxic

R-phrase(s):

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R33 Danger of cumulative effects.

R38 Irritating to skin.

S-phrase(s):

S28 After contact with skin, wash immediately with plenty of water.

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 where possible).

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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