OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

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
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Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

2,3-DICHLORO ANILINE 98%

MSDS CAS: 608-27-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: 2,3-DICHLORO ANILINE
CAS#: 608-27-5
Synonym: Not Available.
Chemical Name: 2,3-Dichloro Aniline
Chemical Formula: $C_6H_5Cl_2N$

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
2,3-Dichloro Aniline	608-27-5	100

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Section 3: Hazards Identification

Special Indication Of Hazards To Humans And The Environment:
Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4: First Aid Measures

After Inhalation:
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

After Skin Contact:
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

After Eye Contact:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

After Ingestion:
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Section 5: Fire and Explosion Data

Extinguishing Media
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Special Risks
Specific Hazard(s): Emits toxic fumes under fire conditions.
Explosion Hazards: Container explosion may occur under fire conditions.

Special Protective Equipment For Firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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Section 6: Accidental Release Measures

Personal Precaution Procedures to Be Followed In Case Of Leak or Spill:
Evacuate area.

Procedure(S) Of Personal Precaution(S):
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up:
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

Handling:
Directions for Safe Handling: Do not breathe dust. Do not get in eyes, on skin, on clothing.
Avoid prolonged or repeated exposure.

Storage:
Conditions of Storage: Keep tightly closed.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use only in a chemical fume hood. Safety shower and eye bath.

General Hygiene Measures:
Wash contaminated clothing before reuse. Wash thoroughly after handling.

Personal Protective Equipment:
Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 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. Hand Protection: Compatible chemical-resistant gloves. Eye Protection: Chemical safety goggles.

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Section 9: Physical and Chemical Properties

Appearance Physical State	**: Solid**
Color	**: Deep brown**
Molecular Weight	**: 162.02 g/mole**
pH	**: Not Available.**
Boiling Range	**: 120.0 - 124.0 °C 10 mmHg**
Melting Range	**: 23 °C**
Flash Point	**: 115 °C Method: closed cup**
Flammability	**: Not Available.**
Autoignition Temp	**: Not Available.**
Oxidizing Properties	**: Not Available.**
Explosive Properties	**: Not Available.**
Explosion Limits	**: Not Available.**
Vapor Pressure	**: Not Available.**
SG/Density	**: 1.37 g/cm3**
Partition Coefficient	**: Not Available.**
Viscosity	**: Not Available.**
Vapor Density	**: Not Available.**
Saturated Vapor Conc.	**: Not Available.**
Evaporation Rate	**: Not Available.**
Bulk Density	**: Not Available.**
Decomposition Temp.	**: Not Available.**
Solvent Content	**: Not Available.**
Water Content	**: Not Available.**
Surface Tension	**: Not Available.**
Conductivity	**: Not Available.**
Miscellaneous Data	**: Not Available.**
Solubility	**: Not Available.**

Section 10: Stability and Reactivity Data

Stability:

Stable: Stable.

Materials to Avoid: Acids, Acid chlorides, Acid anhydrides, Oxidizing agents.

Section 10: Stability and Reactivity Data (Continued)

Hazardous Decomposition Products

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide,and nitrogen oxides, Hydrogen chloride gas.

Hazardous Polymerization

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

Sensitization

Skin: May cause allergic skin reaction.

Signs and Symptoms of Exposure:

Absorption into the body leads to the formation of met hemoglobin 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.

Route of Exposure:

Skin Contact: May cause skin irritation.
Skin Absorption: Toxic if absorbed through skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled.
Ingestion: Toxic if swallowed.

Section 12: Ecological Information

Not Data Available.

Section 13: Disposal Considerations

Substance Disposal:
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. Observe all federal, state, and local environmental regulations.

Section 14: Transport Information

Land transport (ADR-RID)
Proper shipping name : Dichloroanilines, solid
UN N° : 3442
ADR - Class : 6.1
ADR - Packing group : II

Sea transport (IMDG) [English only]
Proper shipping name : Dichloroanilines, solid
UN N° : 3442
IMO-IMDG - Class or division : 6.1
IMO-IMDG - Packing group : II

Air transport (ICAO-IATA) [English only]
Proper shipping name : Dichloroanilines, solid
UN N° : 3442
IATA - Class or division : 6.1
IATA - Packing group : II

Section 15: Other Regulatory Information

Classification And Labeling According To Eu Directives Annex I Index Number: 612-010-00-8
Nota: C,Weka Indica Tion Of Danger: T-N
Toxic. Dangerous for the environment.

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Section 15: Other Regulatory Information (Continued)

R-Phrases: 23/24/25-33-50/53
Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrases: 28-36/37-45-60-61
After contact with skin, wash immediately with plenty of soap-suds. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

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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