OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

2,6-DICHLORO ANILINE 98%

MSDS CAS: 608-31-1

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: 2,6-DICHLORO ANILINE
CAS#: 608-31-1
Synonym: Not Available.
Chemical Name: 2,6-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
2,6-Dichloro Aniline	608-31-1	100

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Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Inhalation(Category 3)
Acute toxicity, Dermal(Category 3)
Acute toxicity, Oral(Category 3)
Specific target organ toxicity -repeated exposure(Category 2)
Acute aquatic toxicity(Category 1)
Chronic aquatic toxicity(Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

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.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Hazard statement(s):

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P261 Avoid breathing dust.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P311 Call a POISON CENTER or doctor/ physician.
P501 Dispose of contents/ container to an approved waste disposal plant.

According to European Directive 67/548/EEC as amended.

R-phrase(s):

R23/24/25Toxic by inhalation, in contact with skin and if swallowed.
R33 Danger of cumulative effects.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Section 3: Hazards Identification (Continued)

S-phrase(s):
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Section 4: First Aid Measures

Description of 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:
Flush eyes with water as a precaution.

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

Most important symptoms and effects, both acute and delayed:
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.

Indication of any immediate medical attention and special treatment needed:
No data available

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Section 5: Fire and Explosion Data

Extinguishing media
Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:
Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas.

Advice for firefighters:
Wear self contained breathing apparatus for fire fighting if necessary.

Further information: **No data available.**

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling:
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed

Conditions for safe storage, including any incompatibilities:
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls:

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

Personal protective equipment

Eye/face protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

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).

Section 9: Physical and Chemical Properties

Appearance Physical State	**: Solid**
Color	**: Beige.**
Odour	**: No data available.**
Odour Threshold	**: No data available.**
pH	**: No data available.**
Molecular Weight	**: 162.02 g/mole**
Melting point	**: 36 -38 °C-lit**

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Section 9: Physical and Chemical Properties (Continued)

Boiling range : **No data available.**
Flash point : **No data available.**
Evaporation rate : **No data available.**
Flammability (solid, gas) : **No data available.**
Explosive limits : **No data available.**
Vapour density : **No data available.**
Relative density : **No data available.**
Water solubility : **No data available.**
Partition coefficient: n-octanol/water: **No data available.**
Autoignition temperature : **No data available.**
Decomposition temperature : **No data available.**
Viscosity : **No data available.**
Explosive properties : **No data available.**
Oxidizing properties : **No data available.**

Section 10: Stability and Reactivity Data

Reactivity: **No data available.**

Chemical stability: **No data available.**

Possibility of hazardous reactions: **No data available.**

Conditions to avoid: **No data available.**

Incompatible materials:
Acids, Acid chlorides, Acid anhydrides, oxidizing agents.

Hazardous decomposition products:
Other decomposition products-No data available.

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Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity: **LD50 Oral- rat-3.167 mg/kg**

Skin corrosion/irritation: **No data available**

Serious eye damage/eye irritation: **No data available**

Respiratory or skin sensitization:
May cause sensitization by skin contact.

Germ cell mutagenicity
No data available.

Carcinogenicity
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.**

Reproductive toxicity: **No data available.**

Specific target organ toxicity -single exposure: **No data available.**

Specific target organ toxicity -repeated exposure:
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: **No data available.**

Potential health effects
Inhalation **Toxic if inhaled. May cause respiratory tract irritation.**
Ingestion **Toxic if swallowed.**
Skin **Toxic if absorbed through skin. May cause skin irritation.**
Eyes **May cause eye irritation.**

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.

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Section 12: Ecological Information

Toxicity
Toxicity to daphnia and EC50-Daphnia magna (Water flea)-1,4 mg/l-48 h
Other aquatic invertebrates

Persistence and degradability: **No data available.**

Bioaccumulative potential: **No data available.**

Mobility in soil: **No data available.**

Results of PBT and vPvB assessment: **No data available.**

Other adverse effects:
Very toxic to aquatic life with long lasting effects. No data available.

Section 13: Disposal Considerations

Waste treatment methods
Product:
Offer surplus and non-recyclable solutions to a licensed disposal company.
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	**: Dichloroanilines, solid**
UN N°	**: 3442**
ADR - Class	**: 6.1**
ADR - Packing group	**: II**

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Section 14: Transport Information (Continued)

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture:
No data available.

Chemical Safety Assessment: **No data available.**

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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