

Regd Office: Unit no 12, 1st Floor,
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MATERIAL SAFETY DATA SHEET

ALIZARIN COMPLEXONE AR **MSDS CAS: 3952-78-1**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: ALIZARIN COMPLEXONE DIHYDRATE

CAS#: 3952-78-1

Synonym: Alizarine Fluorine Blue, Alizarin Fluorine Blue

Chemical Name:

Chemical Formula: C₁₉H₁₅NO₈

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 # | EC no | Annex I Index Number |
|---------------------|-----------|-----------|----------------------|
| ALIZARIN COMPLEXONE | 3952-78-1 | 223-544-2 | None |

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Section 3: Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
Not hazardous according to Directive 67/548/EEC.

Section 4: First Aid Measures

AFTER INHALATION: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT: In case of contact, immediately wash skin with soap and copious amounts of water.

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.

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.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

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Section 6: Accidental Release Measures (Continued)

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: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE: Conditions of Storage: Keep tightly closed.

Section 8: Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES: 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). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand Protection: Protective gloves.

Eye Protection: Chemical safety goggles.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor : Not available.

Taste : Not available.

Molecular Weight : 385,0000 AMU

Color : Deep Yellow

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

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Section 9: Physical and Chemical Properties (Continued)

| | |
|-----------------------|-------------------|
| Boiling Point | : Not available. |
| Melting Point | : 185,000 °C |
| Critical Temperature | : Not available. |
| Specific Gravity | : Not available. |
| Vapor Pressure | : Not applicable. |
| Vapor Density | : Not available. |
| Volatility | : Not available. |
| Odor Threshold | : Not available. |
| Water Content | : < 10, 0000 % |
| Ionicity (in Water) | : Not available. |
| Dispersion Properties | : Not available. |
| Solubility | : Not available. |

Section 10: Stability and Reactivity Data

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

RTECS NUMBER: AH0585000

ACUTE TOXICITY

LD50

Intravenous

Mouse

170 MG/KG

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Section 11: Toxicological Information (Continued)

SIGNS AND SYMPTOMS OF EXPOSURE: 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: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Section 12: Ecological Information

No 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)

General Information : Not Regulated

Sea transport (IMDG) [English only]

General Information : Not Regulated

Air transport (ICAO-IATA) [English only]

General Information : Not Regulated

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Section 15: Other Regulatory Information

Not hazardous according to Directive 67/548/EEC.

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 3

Self-Classification

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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Range of
Laboratory Chemicals