

## **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: C<sub>19</sub>H<sub>15</sub>NO<sub>8</sub>**

**Brand: OXFORD**

##### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification: OXFORD LAB FINE CHEM LLP**  
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#### **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

## 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.

## 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** : Depp Yellow

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

## 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

## 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

## 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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