OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

QUINALIZARIN 95% AR

CAS NO. : 81-61-8

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: QUINALIZARIN 95% AR
CAS#: 81-61-8
C.I. No.: Not available.
Synonym: 1,2,5,8-Tetrahydroxy-9,10-Anthraquinone
Alizarin Bordeaux BD
Chemical Name: QUINALIZARIN 95% AR
Chemical Formula: Not available.

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
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Section 2: Composition and Information on Ingredients

Substances
CAS-No.: 81-61-8
No components need to be disclosed according to the applicable regulations.
Hazardous ingredients according to Regulation (EC) No 1272/2008

Substance name	Cas no.	Concentration
1,2,5,8-Tetrahydroxyanthraquinone	81-61-8	<=100%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:
Acute toxicity, Oral (Category 4), H302
Acute aquatic toxicity (Category 1), H400

Other hazards : None.

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.

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.

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

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

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

Further information
Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, 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. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Combustible Solids

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 8: Exposure Controls/Personal Protection (Continued)

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.

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

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

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)Appearance Form	**: Red brown powder.**
b)Odour	**: No data available.**
c)Odour threshold	**: No data available.**
d)pH	**: No data available.**
e) Melting point/range	**: > 300 °C**
f)Initial boiling point andboiling range	**: No data available.**
g)Autoignition temperature	**: No data available.**
h)Flammability (solid, gas)	**: No data available.**
i)Upper/lower flammability or explosive limits	**: No data available.**
j)Flash point [°C]	**: No data available.**
k)Evaporation rate	**: No data available.**
l)Vapour pressure	**: No data available.**

Section 9: Physical and Chemical Properties (Continued)

m)Vapour density	**: No data available.**
n)Relative density,	**: No data available.**
o)Solubility in water	**: No data available.**
p)Viscosity	**: No data available.**
q)Explosive properties	**: No data available.**
r)Oxidising properties	**: No data available.**
s)Decomposition temperature	**: No data available.**
t)Autoignition temperature	**: No data available.**
u)Molecular Weight	**: No data available.**

Section 10: Stability and Reactivity Data

Reactivity : No data available.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents.

Hazardous decomposition products
Other decomposition products - Hazardous decomposition products formed under fire conditions.-
Carbon oxides
Other decomposition products-No data available.

Section 11: Toxicological Information

Information on toxicological effects
Acute toxicity:
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Skin corrosion/irritation
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Serious eye damage/eye irritation
No data available (1,2,5,8-Tetrahydroxyanthraquinone)

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Section 11: Toxicological Information (Continued)

Respiratory or skin sensitization
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Germ cell mutagenicity
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
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 (1,2,5,8-Tetrahydroxyanthraquinone)
Specific target organ toxicity - single exposure
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Specific target organ toxicity - repeated exposure
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Aspiration hazard
No data available (1,2,5,8-Tetrahydroxyanthraquinone)
Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (1,2,5,8-Tetrahydroxyanthraquinone)

Section 12: Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : No data available (1,2,5,8-Tetrahydroxyanthraquinone)

Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects :
Very toxic to aquatic life.

Section 13: Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
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 chem scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(1,2,5,8-Tetrahydroxyanthraquinone)
UN N° : 3077
ADR - Class : 9

Sea transport (IMDG) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(1,2,5,8-Tetrahydroxyanthraquinone)
UN N° : 3077
IMO-IMDG - Class or division : 9
IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : Environmentally hazardous substance, solid, n.o.s.(1,2,5,8-Tetrahydroxyanthraquinone)
UN N° : 3077
IATA - Class or division : 9
IATA - Packing group : III

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Section 15: Other Regulatory Information

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

Chemical Safety Assessment
For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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