OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

CALCON CARBOXYLIC ACID AR
(Patton & Reeder's Reagent)
MSDS CAS: 3737-95-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: PATTON & REEDER'S REAGENT AR
CAS#: 3737-95-9
Synonym: Calconcarboxylic acid
Chemical Name: Patton & Reeder's Reagent AR
Chemical Formula: $C_{21}H_{14}N_2O_7S$

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,
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Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Substance name	CAS #	% by Weight
Patton & Reeder's Reagent AR	3737-95-9	≤100

Section 3: Hazards Identification

Risk advice to man and the environment: Irritating to eyes, respiratory system and skin.

Section 4: 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. Consult a physician.

In case of eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

Section 5: Fire and Explosion Data

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

Special protective equipment for fire-fighters:
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions:
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains.

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

Section 7: Handling and Storage

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.

Storage: **Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**

Section 8: Exposure Controls/Personal Protection

Personal protective equipment
Respiratory protection:
Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Eye protection: **Safety glasses with side-shields conforming to EN166**

Skin and body protection:
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

Section 9: Physical and Chemical Properties

Appearance Form	**: Solid**
Colour	**: Dark purple.**
Molecular Weight	**: 438.42 g/mole**
pH	**: No Data Available**
Melting Point	**: 300 °C**
Boiling Point	**: No Data Available**

Section 9: Physical and Chemical Properties (Continued)

Flash Point	**: No Data Available**
Log Pow	**: 4.48**
Lower Explosion Limit	**: No Data Available**
Upper Explosion Limit	**: No Data Available**
Solubility	**: Water: 8 g/l at 20 °C**

Section 10: Stability and Reactivity Data

Storage stability: **Stable under recommended storage conditions.**

Materials to avoid: **Strong oxidizing agents.**

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity
No data available2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid

Skin corrosion/irritation
No data available (2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Serious eye damage/eye irritation
No data available (2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Respiratory or skin sensitisation
No data available (2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Germ cell mutagenicity
No data available(2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

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.**

Section 11: Toxicological Information (continued)

Reproductive toxicity
No data available (2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Specific target organ toxicity - single exposure
Inhalation - May cause respiratory irritation.(2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available (2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Additional Information
RTECS: Not available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(2,2'-dihydroxy-4'-sulpho-1,1'-azonaphthalene-3-carboxylic acid)

Section 12: Ecological Information

Elimination information (persistence and degradability): **No data available**

Ecotoxicity effects: **No data available**

Further information on ecology: **No data available**

Section 13: Disposal Considerations

Product:
Observe all federal, state, and local environmental regulations. 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.

Contaminated packaging: **Dispose of as unused product.**

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

Labelling according to EC Directives
Hazard symbols
Xi Irritant

R-phrase(s): **R36/37/38 Irritating to eyes, respiratory system and skin.**

S-phrase(s):
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 Wear suitable protective clothing.

Section 16 - Additional Information

References: **Not available.**

Other Special Considerations: **Not available.**

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