

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

4-HYDROXYCOUMARIN 98%

MSDS CAS: 1076-38-6

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: 4-HYDROXYCOUMARIN

CAS#: 1076-38-6

Synonym:

Chemical Name: Not available.

Chemical Formula:

Molecular Weight: 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

Composition:

Name	CAS #	% by Weight
4-HYDROXYCOUMARIN	1076-38-6	100

Toxicological Data on Ingredients: Not available.

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

Xn Harmful R22, R36/37/38

For the full text of the R-phrases mentioned in this Section, see Section 16.

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. 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 4: First Aid Measures (continued)

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

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.

Reference to other sections

For disposal see section 13

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. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace 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).

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.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Section 8: Exposure Controls/Personal Protection (continued)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0, 11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

Test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, Contact the supplier of the CE approved gloves. This recommendation is advisory only and must Be evaluated by an industrial hygienist and safety officer familiar with the specific situation of Anticipated use by our customers. It should not be construed as offering an approval for any Specific use scenario.

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 respirator. For higher Level protection use type OV/AG/P99 (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

Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

a) **Appearance Form:** powder

Colour: beige

b) **Odour** no data available

c) **Odour Threshold** no data available

d) **PH** no data available

e) **Melting point/freezing point**

Melting point/range: 211 - 213 °C - lit.

f) **Initial boiling point and boiling range:** no data available

g) **Flash point** no data available

h) **Evaporation rate** no data available

i) **Flammability (solid, gas)** no data available

j) **Upper/lower flammability or explosive limits:** no data available

k) **Vapour pressure** no data available

l) **Vapour density** no data available

m) **Relative density** no data available

n) **Water solubility** no data available

o) **Partition coefficient: nocturnal/ water:** no data available

p) **Auto-ignition temperature:** no data available

q) **Decomposition temperature:** no data available

r) **Viscosity** no data available

s) **Explosive properties** no data available

t) **Oxidizing properties** no data available

Other safety information:

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

No data available

Incompatible materials

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Oral - mouse - 2.000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Section 11: Toxicological Information (continued)

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

Inhalation - May cause respiratory irritation

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information:

RTECS: DJ3100000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.

Section 12: Ecological Information

Toxicity

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

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 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

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.

Section 15: Other Regulatory Information (continued)

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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