OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

QUERCETIN Dihydrate 95% (For Synthesis)

CAS NO. : 117-39-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: QUERCETIN Dihydrate 95% (For Synthesis)
CAS#: 117-39-5
C.I. No.: Not available.
Synonym: Not available.
Chemical Name: QUERCETIN Dihydrate 95% (For Synthesis)
Chemical Formula: C15H10O7.xH2O

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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Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Substances
Formula: C15H10O7.xH2O
Molecular weight: 302.24 g/mol
CAS-No.: 117-39-5
Hazardous ingredients according to Regulation (EC) No 1272/2008.

Substance name	Cas no.	Concentration
3,3',4',5,7-Pentahydroxyflavone dihydrate	117-39-5	<=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 3), H301

Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contact with water liberates toxic gas.

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
Do NOT induce vomiting. 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
No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. 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.

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.

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): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses 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

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. 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.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)Appearance Form	**: Light yellow powder.**
b)Odour	**: No data available.**
c)Odour threshold	**: No data available.**
d)pH	**: No data available..**
e) Melting point/range	**: 315 °C-Decomposes on heating.**
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, strong bases.

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: LD50Oral-Mouse-159 mg/kg
Remarks: (RTECS) absorption
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available

Section 11: Toxicological Information (Continued)

Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
IARC:3-Group 3: Not classifiable as to its carcinogenicity to humans(3,3',4',5,7-Pentahydroxyflavone dihydrate)
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
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Additional Information: RTECS: LK8950000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
After absorption: We have no description of any toxic symptoms. This substance should be handled with particular care.

Section 12: Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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.**
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)

Proper shipping name : **TOXIC SOLID, ORGANIC, N.O.S. (3,3',4',5,7-Pentahydroxyflavone dihydrate)**
UN N° : **2811**
ADR - Class : **6.1**

Sea transport (IMDG) [English only]

Proper shipping name : **TOXIC SOLID, ORGANIC, N.O.S. (3,3',4',5,7-Pentahydroxyflavone dihydrate)**
UN N° : **2811**
IMO-IMDG - Class or division : **6.1**
IMO-IMDG - Packing group : **III**

Air transport (ICAO-IATA) [English only]

Proper shipping name : **Toxic solid, organic, n.o.s.(3,3',4',5,7-Pentahydroxyflavone dihydrate)**
UN N° : **2811**
IATA - Class or division : **6.1**
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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