OXFORD LAB FINE CHEM LLP

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

XANTHONE

MSDS CAS: 90-47-1

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: Xanthone
CAS#: 90-47-1
Synonym: Not available.
Chemical Name: Not available.
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
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Substances
Chemical characterization: Natural product
Synonyms: 9-Xanthenone
Formula: C13H8O2
Molecular Weight: 196, 20 g/mol
CAS-No. : 90-47-1
EC-No. : 201-997-7

Section 2: Composition and Information on Ingredients (Continued)

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Xanthen-9-one		
CAS-No. 90-47-1 EC-No. 201-997-7	Acute Tox. 3; H301	<= 100 %

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Xanthen-9-one		
CAS-No. 90-47-1 EC-No. 201-997-7	Xn, R22	<= 100 %

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Acute toxicity, Oral (Category 3), H301 For the full text of the H-Statements mentioned in this Section

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

Xn Harmful R22 For the full text of the R-phrases mentioned in this Section

Label elements

Labelling according Regulation (EC) No 1272/2008:

Pictogram Signal word Danger Hazard statement(s) H301 Toxic if swallowed. Precautionary statement(s) P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Supplemental Hazard

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.

Section 4: First Aid Measures (Continued)

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. 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.**

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 firefighting 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. For personal protection see section 8.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 6: Accidental Release Measures (Continued)

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:
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).

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

Section 8: Exposure Controls/Personal Protection (Continued)

Contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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 a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of 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

Appearance Form:	**powder**
Colour:	**beige**
Odour:	**No data available**
Odour Threshold:	**No data available**
pH:	**no data available**
Melting point/freezing point:	**Melting point/range: 172 - 174 °C - lit.**
Initial boiling point and boiling range:	**349 - 350 °C at 973 hPa - lit.**
Flash point:	**no data available**
Water solubility:	**no data available**
Partition coefficient: noctanol/water:	**log POW: 3, 39**
Auto-ignition temperature:	**no data available**
Decomposition temperature:	**no data available**
Viscosity:	**no data available**
Explosive properties:	**no data available**
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
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 Intravenous - mouse - 180 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
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: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available

Additional Information

RTECS: ZD5711000 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
Bioaccumulative 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

Section 12: Ecological Information (Continued)

Other adverse effects: no data available

Section 13: Disposal Considerations

Waste Disposal:

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

UN number

ADR/RID: 2811 **IMDG: 2811** **IATA: 2811**

UN proper shipping name

ADR/RID: **TOXIC SOLID, ORGANIC, N.O.S. (Xanthen-9-one)**
IMDG: **TOXIC SOLID, ORGANIC, N.O.S. (Xanthen-9-one)**
IATA: **Toxic solid, organic, n.o.s. (Xanthen-9-one)**

Transport hazard class(es)

ADR/RID: 6.1 **IMDG: 6.1** **IATA: 6.1**

Packaging group

ADR/RID: III **IMDG: III** **IATA: III**

Environmental hazards

ADR/RID: no **IMDGMarine pollutant: no** **IATA: no**

Special precautions for user

no data available

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

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:

****

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.