

MATERIAL SAFETY DATA SHEET

XANTHINE

(For Biochemistry) (2, 6-Dihydroxy Purine)

MSDS CAS: 69-89-6

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Xanthine

CAS#: 69-89-6

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

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Section 2: Composition and Information on Ingredients

Substance / Preparation:

XANTHINE 98%

CAS No: 69-89-6

Substance.

Contains no other components or impurities which will influence the classification of the product.

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification: Xi; R36
R43

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards: Eye irritation - Category 2A - Warning (CLP: Eye Irrit. 2) H319 Skin sensitisation -
Category 1 - Warning (CLP: Skin Sens. 1) H317

Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s): Xi: Irritant

R Phrase(s): R36: Irritating to eyes.

R43: May cause sensitization by skin contact.

S Phrase(s): S36/37: Wear suitable protective clothing and gloves.

Labelling Regulation EC 1272/2008 (CLP)

Signal words: Warning

Hazard statements: H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation: Assure fresh air breathing. Allow the victim to rest.

Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Specific treatment (see on this label). Get medical advice.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Ingestion: Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes serious eye irritation. May cause an allergic skin reaction.

Section 4: First Aid Measures (Continued)

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up:

On land, sweep or shovel into suitable containers. Minimize generation of dust.

Store away from other materials.

Reference to other sections

See section 8. Exposure controls/personal protection

Section 7: Handling and Storage

Precautions for safe handling

Handling: Wash thoroughly after handling. Avoid breathing dust, fume, gas, mist, vapours, spray. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s): None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Others: When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C: Solid.

Colour: White to slight yellow

Odour: Odorless

Odour threshold: No data available.

pH value : Not applicable.

Melting point [°C]: 300 °C

Flash point [°C]: N/A

Boiling point [°C]: N/A

Section 9: Physical and Chemical Properties (Continued)

Vapour density: 5, 3
Density [g/cm³]: N/A
Relative density, gas (air=1): N/A
Relative density, liquid (water=1): N/A
Solubility in water [% weight]: Insoluble in water
Solubility in water: N/A
Log Pow octanol / water at 20°C: No data available.
Solubility: N/A
Viscosity at 40°C [mm²/s]: N/A

Other information

Explosive properties: N/A
Explosion limits - upper [%]: N/A
Explosion limits - lower [%]: N/A
Oxidising properties: No data available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Not established.
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
Incompatible Materials to avoid: Strong acids. Strong bases.
Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Inhalation:	Based on available data, the classification criteria are not met.
Dermal:	Based on available data, the classification criteria are not met.
Ingestion:	Based on available data, the classification criteria are not met.
Corrosion:	Based on available data, the classification criteria are not met.
Irritation:	Causes serious eye irritation.

Section 11: Toxicological Information (Continued)

Sensitization:	May cause an allergic skin reaction.
Mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Toxic for reproduction:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity information: Not established.
Persistence - degradability: Biodegradable.
Bioaccumulative potential: Not established.
Mobility in soil: Not established.
Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
Environmental precautions: Avoid release to the environment.

Section 13: Disposal Considerations

Waste Disposal:

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated

Sea transport (IMDG) [English only]

General information: Not regulated

Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

General information: Not regulated

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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