

MATERIAL SAFETY DATA SHEET

HYPOXANTHINE 99% **(For Biochemistry)** **MSDS CAS: 68-94-0**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: HYPOXANTHINE

CAS#: 68-94-0

Synonym: 6-Hydroxypurine

Chemical Name: Hypoxanthine

Chemical Formula: C₅H₄N₄O

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
Hypoxanthine	68-94-0	100

Section 3: Hazards Identification

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards: None.

Section 4: First Aid Measures

Description of first aid measures

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.

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.

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, Nitrogen oxides (NO_x)

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

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

Section 6: Accidental Release Measures (Continued)

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up:
Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling:

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. Storage class (TRGS 510):
Combustible Solids

Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment

Eye/face protection:

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.

Body Protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Section 8: Exposure Controls/Personal Protection (Continued)

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks. 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

Appearance Form	: powder
Colour	: light yellow
Odour	: No data available
Odour Threshold	: No data available
Molecular Weight	: 136.11 g/mole
pH	: No data available
Melting point	: > 300 °C - lit.
Boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Water solubility	: No data available
Partition coefficient: noctanol/water:	No data available
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

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: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)_Other decomposition products - No data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

No data availablePurin-6(1H)-one LD50 Intraperitoneal - Mouse - 750 mg/kg(Purin-6(1H)-one)

Skin corrosion/irritation: No data available(Purin-6(1H)-one)

Serious eye damage/eye irritation: No data available(Purin-6(1H)-one)

Respiratory or skin sensitization: No data available(Purin-6(1H)-one)

Germ cell mutagenicity

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

Specific target organ toxicity - single exposure: No data available (Purin-6(1H)-one)

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available (Purin-6(1H)-one)

Additional Information:

RTECS: UP0791000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Purin-6(1H)-one)

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 (Purin-6(1H)-one)

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.

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.

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Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
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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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