

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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

### GUANOSINE-5-MONO PHOSPHATE DISODIUM SALT AR

MSDS CAS: 5550-12-9

#### Section 1: Chemical Product and Company Identification

##### Section 1: Chemical Product

**Product Name:** GUANOSINE-5-MONO PHOSPHATE DISODIUM SALT AR

**CAS#:** 5550-12-9

**Chemical Name:** GUANOSINE-5-MONO PHOSPHATE DISODIUM SALT AR

**Chemical Formula:** C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>8</sub>P · xH<sub>2</sub>O

**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:**

Synonyms: 5'-GMP-Na<sub>2</sub>

5'-Guanylic acid disodium salt hydrate

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>8</sub>P · xH<sub>2</sub>O

Molecular weight: 407.18 g/mol

CAS#: 5550-12-9

## Section 3: Hazards Identification

### Classification of the substance or mixture:

Not a hazardous substance or mixture.

### 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.

## 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.

## 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<sub>x</sub>), Oxides of phosphorus, Sodium 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:** Avoid dust formation. Avoid breathing vapours, mist or gas.

**Environmental precautions:** No special environmental precautions required.

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

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**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

## Section 7: Handling and Storage

**Precautions for safe handling:** 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.

## 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.

**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).

## Section 9: Physical and Chemical Properties

<b>Physical state and appearance</b>	: Powder.
<b>Odor</b>	: Not available.
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: Not available.
<b>Color</b>	: Beige.

## Section 9: Physical and Chemical Properties (Continued)

<b>pH (1% soln/water)</b>	: Not available.
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: Not available.
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Vapor Pressure</b>	: Not available.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Water/Oil Dist. Coeff.</b>	: Not available.
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: Not available.

## Section 10: Stability and Reactivity Data

<b>Stability</b>	: Stable under recommended storage conditions.
<b>Instability Temperature</b>	: Not available.
<b>Conditions of Instability</b>	: Light.
<b>Incompatible materials</b>	: Strong oxidizing agents
<b>Corrosivity</b>	: Not available.
<b>Special Remarks on Reactivity</b>	: Not available.
<b>Special Remarks on Corrosivity</b>	: Not available.
<b>Polymerization</b>	: Will not occur.

## Section 11: Toxicological Information

**Information on toxicological effects:**

**Acute toxicity:**

LD50Oral-Rat-> 17,300 mg/kg(Quanosine 5'-(disodium phosphate))

**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.

**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.

## 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:** 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

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused product.

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**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 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

**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.

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**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



## ***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.**