

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



MATERIAL SAFETY DATA SHEET

BISMUTH PHOSPHATE

MSDS CAS: 10049-01-1

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: BISMUTH PHOSPHATE

CAS#: 10049-01-1

Synonym: Not Available.

Chemical Name: Bismuth Phosphate

Chemical Formula: BiPO₄

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

Composition:

Name	CAS #	% by Weight
Bismuth Phosphate	10049-01-1	100

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Section 3: Hazards Identification

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Section 4: First Aid Measures

AFTER INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT:

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

AFTER INGESTION:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section 5: Fire and Explosion Data

EXTINGUISHING MEDIA:

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS: Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT:

FOR FIREFIGHTERS Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

PROCEDURE(S) OF PERSONAL

PRECAUTION(S): Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP:

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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Section 7: Handling and Storage

HANDLING: Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE: Conditions of Storage: Keep tightly closed. Store in a cool dry place.

Section 8: Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

Section 9: Physical and Chemical Properties

pH	: N/A
BP/BP Range	: N/A
Molecular Weight	: 303.95 g/mole
MP/MP Range	: 350 °C
Flash Point	: N/A
Flammability	: N/A
Autoignition Temp	: N/A
Oxidizing Properties	: N/A
Explosive Properties	: N/A
Explosion Limits	: N/A
Vapor Pressure	: N/A
SG/Density	: 6.32 g/cm ³
Partition Coefficient	: N/A
Viscosity	: N/A

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Section 9: Physical and Chemical Properties (Continued)

Vapor Density	: N/A
Saturated Vapor Conc.	: N/A
Evaporation Rate	: N/A
Bulk Density	: N/A
Decomposition Temp.	: N/A
Solvent Content	: N/A
Water Content	: N/A
Surface Tension	: N/A
Conductivity	: N/A
Miscellaneous Data	: N/A
Solubility	: N/A

Section 10: Stability and Reactivity Data

STABILITY: Stable: Stable. Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous Decomposition Products: Bismuth oxides, Phosphorous oxides.

HAZARDOUS POLYMERIZATION: Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

SIGNS AND SYMPTOMS OF EXPOSURE:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Symptoms of chronic bismuth toxicity in humans consists of decreased appetite, weakness, rheumatic pain, diarrhea, fever, metal line on the gums, foul breathe, gingivitis, and dermatitis. Jaundice and conjunctival hemorrhage are rare, but have been reported. Bismuth nephropathy with proteinuria may occur. The kidney is the site of highest concentration with the liver being considerably lower. Bismuth does pass into the amniotic fluid and into the fetus.

ROUTE OF EXPOSURE:

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

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Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

SUBSTANCE DISPOSAL:

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

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

COUNTRYSPECIFIC INFORMATION

Germany

WGK: 3

Self-Classification

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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