

# 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

### BISMUTH CARBONATE (Basic)

MSDS CAS: 5892-10-4

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

##### Section 1: Chemical Product

**Product Name:** BISMUTH CARBONATE (Basic)

**CAS#:** 5892-10-4

**Synonym:** Not Available.

**Chemical Name:** Bismuth Carbonate (Basic)

**Chemical Formula:**  $(\text{BiO})_2 \text{CO}_3$

**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 Carbonate (Basic)	5892-10-4	80-82%

## Section 3: Hazards Identification

### Emergency Overview

**CAUTION! MAYBE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.**

### SAF-T-DATA Ratings (Provided here for your convenience)

**Health Rating: 2 - Moderate**

**Flammability Rating: 0 - None**

**Reactivity Rating: 1 - Slight**

**Contact Rating: 1 - Slight**

**Lab Protective Equip: GOGGLES; LAB COAT; VENTHOOD; PROPER GLOVES**

**Storage Color Code: Green (General Storage)**

### Potential Health Effects

#### Inhalation:

May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

**Ingestion:** Low toxicity. Poorly absorbed from the bowel; ingestion of large quantities of insoluble bismuth salts may produce systemic bismuth poisoning with symptoms of headache, skin rashes, kidney damage, and rarely mild jaundice.

**Skin Contact:** May cause irritation with redness and pain.

**Eye Contact:** May cause irritation, redness and pain.

**Chronic Exposure:** Chronic ingestion of bismuth may cause formation of a dark gum line. Bismuth can affect the kidneys and liver.

**Aggravation of Pre-existing Conditions:** No information found.

## Section 4: First Aid Measures

**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:** Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

## Section 5: Fire and Explosion Data

**Fire:** Not considered to be a fire hazard.

**Explosion:** Not considered to be an explosion hazard.

**Fire Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## Section 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

**Spills:** Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

## Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Separate from incompatibilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## Section 8: Exposure Controls/Personal Protection

**Airborne Exposure Limits:** None established.

**Ventilation System:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personal Respirators (NIOSH Approved):** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-

## Section 8: Exposure Controls/Personal Protection (Continued)

pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:** Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9: Physical and Chemical Properties

Appearance	: Fine white to pale yellow-white powder.
Molecular Weight	: 509.97 g/mole
Odor	: Odorless.
Solubility	: Insoluble in water.
Specific Gravity	: 6.86
pH	: No information found.
% Volatiles by volume @ 21C (70F): 0	
Boiling Point	: Decomposes.
Melting Point	: No information found.
Vapor Density (Air=1)	: No information found.
Vapor Pressure (mm Hg)	: No information found.
Evaporation Rate (BuAc=1)	: No information found.

## Section 10: Stability and Reactivity Data

**Stability:** Stable under ordinary conditions of use and storage. Light sensitive.

**Hazardous Decomposition Products:** Toxic metal fumes may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong acids and strong oxidizers.

**Conditions to Avoid:** Light, heat, incompatibles.

## Section 11: Toxicological Information

Oral rat LD50: 22 gm/kg

\Cancer Lists\

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Bismuth Subcarbonate (5892-10-4)	No	No	None

## Section 12: Ecological Information

**Environmental Fate:** No information found.**Environmental Toxicity:** No information found.

## Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 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.

# 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 15: Other Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
-----	-----	----	-----	-----
Bismuth Subcarbonate (5892-10-4)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
--Canada--				
Ingredient	Korea	DSL	NDSL	Phil.
-----	-----	----	-----	-----
Bismuth Subcarbonate (5892-10-4)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
-SARA302- -----SARA313-----				
Ingredient	RQ	TPQ	List	Chemical Catg.
-----	-----	-----	-----	-----
Bismuth Subcarbonate (5892-10-4)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----			
-RCRA- -TSCA-			
Ingredient	CERCLA	261.33	8(d)
-----	-----	-----	-----
Bismuth Subcarbonate (5892-10-4)	No	No	No

Chemical Weapons Convention: No TSCA12(b): No CDTA: No  
SARA311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No  
Reactivity: No (Pure / Solid)

## 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.