

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

**Tel: 812.334.9996      Fax: 812.334.1960      Emergency: 800.424.9300**

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 9/97  
**Product Name:** Bismuth Subcarbonate  
**Chemical Formula:** (BiO) $\cdot$ 2CO<sub>3</sub>  
**CAS No.:** 5892-10-4

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**SECTION 2: HAZARDOUS INGREDIENTS:**

N/A

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**SECTION 3: PHYSICAL DATA**

**Odor:** N/A  
**Appearance:** solid  
**Molecular weight:** 509.97g/mole  
**Melting point.:** decomposes  
**Boiling point:** N/A  
**Decomposition temperature:** N/A  
**pH (depends on quality):** N/A  
**Solubility in water:** insoluble in cold water  
**Specific gravity (water = 1)** N/A  
**Vapor density:** N/A  
**Vapor pressure:** N/A

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Flash point:** N/A  
**Flammable limit:** N/A  
**Flammability:** non-flammable  
**Extinguishing media and instructions:** non-flammable  
**Unusual fire and explosions hazards:** N/A

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**SECTION 5: REACTIVITY DATA**

**Stable**     X     **Unstable** \_\_\_\_\_  
**Decomposition byproducts:** None  
**Incompatibilities/Condition to Avoid:** N/A  
**Hazardous Polymerization:** Does not occur.

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**SECTION 6: HEALTH HAZARD DATA**

**Potential acute effects:** Very dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. This product may irritate eyes and skin upon contact. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or blistering (occasionally).

**Potential chronic effects:** Very dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Carcinogenic effects:** N/A  
**Mutagenic effects:** N/A  
**Teratogenic effects:** N/A  
**Permissible Exposure limits:** N/A  
**TWA:** N/A  
**TLV:** N/A

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional requirements.

**Disposal:** Recycle to process, if possible. Consult your local or regional authorities.

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**SECTION 8: FIRST AID PROCEDURES**

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<b>Eye Contact:</b>	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
<b>Skin Contact:</b>	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting you own hands and body. Place victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Inhalation:</b>	Allow the victim to rest in a well-ventilated are. Seek immediate medical attention.
<b>Ingestion:</b>	Remove dentures, if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

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**SECTION 9: HANDLING AND STORAGE INFORMATION:**

DO NOT ingest. DO NOT breathe dust.

Keep in a cool, dry, well-ventilated place. Keep container tightly closed.

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**SECTION 10: SPECIAL PROTECTION INFORMATION:**

**Ventilation:** Local exhaust ventilation.

**Skin Protection:** Lab coat, Gloves

**Eye Protection:** Safety glasses

**Respiratory Protection:** MSHA/NIOSH approved respirator

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**SECTION 11: TRANSPORT INFORMATION**

**DOT Classification:** NOT a DOT regulated material

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**SECTION 12: OTHER REGULATORY INFORMATION**

**Federal and State regulations:** N/A

**WHMIS (Canada):** N/A

**DSCL (EEC):** N/A

**HMIS (USA):** N/A

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