



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

BISMUTH NITRATE PENTAHYDRATE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
-------------------------------------------------------------------------------------	---------------------------------------------------	----------------------------------------------

Date: August 2007

Synonyms: Bismuth nitrate, bismuth nitrate 5-hydrate

CAS #: 10361-44-1

DOT Hazard Class: Nitrates, Inorganic, N.O.S.
(Bismuth Nitrate)
UN 1477, Class 5.1, PG III, Oxidizer

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Bismuth Nitrate Pentahydrate 98% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear crystals, with characteristic nitric odor. Is a oxidizer and will aid combustion, otherwise relatively non hazardous.

POTENTIAL HEALTH EFFECTS:

Eyes & Skin: May cause irritation

Inhalation: May cause irritation to the upper respiratory tract.

Ingestion: No data available.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with plenty of water for at least 15 minutes.

Skin: Wash off with soap and water.

Inhalation: Remove to the fresh air.

Ingestion: Dilute with several glasses of water.

In All Of Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Non Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: It is an oxidizer and will support combustion.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Bismuth Nitrate Pentahydrate

AMERICAN INTERNATIONAL CHEMICAL, INC. 800 238 0001

Page 2 of 4

Boiling Point: Decomposes

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 2.83

Bulk Density: Not Available

Percent Volatile by Volume (%): None

Melting Point: 75-80 °C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Negligible

pH: Acidic

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: May give off No_x gases.

KEEP AWAY FROM: Organic Compounds

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME:.....Nitrates, Inorganics, N.O.S.
TECHNICAL SHIPPING NAME:.....Bismuth Nitrate
D.O.T. HAZARD CLASS:.....UN 1477, Class 5.1, PG III, Oxidizer

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):
This product is listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Fire Hazard

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.
