


# Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product Name</b>	Bismuth Nitrate		
<b>Mol.formula</b>	BiN3O9	<b>Cas no</b>	10361-44-1
<b>Mol.wt</b>	395 g/mol	<b>Cat no</b>	B016
<b>Manufacture name</b>	Pioneers for laboratory chemicals		
<b>Brand name</b>	Piochem		
<b>Address</b>	Area 540, Industrial Zone 6 <sup>th</sup> October city Giza, Egypt.		
<b>Website</b>	www.piochem.com		
<b>E-mail</b>	info@piochem.com		
<b>Phone number</b>	+201225728304 , +201023932115		

Section 2.Hazards Identification	
<b>Classification</b>	
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Oxidizing solids	Category 2
Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Respiratory system.	
Specific target organ toxicity - (repeated exposure)	Category 2
Target Organs - Kidney.	
<b>Label Elements</b>	
Signal Word	
Danger	
<b>Hazard Statements</b>	
May intensify fire; oxidizer	
Causes skin irritation	
Causes serious eye irritation	
May cause respiratory irritation	
May cause damage to organs through prolonged or repeated exposure	
	
<b>Precautionary Statements</b>	



#### Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep/Store away from clothing/ other combustible materials  
Take any precaution to avoid mixing with combustibles  
Do not get in eyes, on skin, or on clothing

**Response**  
IF exposed or concerned: Get medical attention/advice

#### Inhalation

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing

#### Skin

**IF ON SKIN:** Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

#### Eyes

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

#### Fire

**In case of fire:** Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

#### Disposal

Dispose of contents/container to an approved waste disposal plant  
Hazards not otherwise classified (HNOC)

#### Other hazards

May cause pulmonary edema.

### Section 3. First Aid Measures

#### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes.

Obtain medical attention.

**Inhalation** Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Obtain medical attention.

**Ingestion** Do not induce vomiting. Get medical attention.

#### Most important symptoms and effects.

May cause methemoglobinemia



**Notes to Physician** Treat symptomatically

#### Section 4. Fire Fighting Measures

**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam.

**Unsuitable Extinguishing Media** No information available

**Flash Point** No information available

**Method** - No information available

**Autoignition Temperature** No information available

#### Explosion Limits

**Upper** No data available

**Lower** No data available

**Oxidizing Properties** Oxidizer

**Sensitivity to Mechanical Impact** No information available

**Sensitivity to Static Discharge** No information available

#### Specific Hazards Arising from the Chemical

Oxidizer: Contact with combustible/organic material may cause fire.

May ignite combustibles (wood paper, oil, clothing, etc.).

Thermal decomposition can lead to release of irritating gases and vapors.

#### Hazardous Combustion Products

Nitrogen oxides (NO<sub>x</sub>)

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### Section 5. Accidental Release Measures

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Avoid contact with the skin and the eyes.

**Environmental Precautions** Should not be released into the environment.

#### Methods for Containment and Clean Up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment. Avoid dust formation.

#### Section 6. Handling and Storage

##### Handling:

Avoid contact with skin and eyes. Do not breathe dust.

Do not breathe vapors or spray mist.

Do not ingest. Keep away from clothing and other combustible materials.



**Storage:**

Keep containers tightly closed in a dry, cool and well-ventilated place.  
Do not store near combustible materials.

**Section 7. Additional Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

