

# Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product name</b>	Bismuth Metal		
<b>Mol.formula</b>	Bi	<b>Cas no</b>	7440-69-9
<b>Mol.wt</b>	208.98 g/mol	<b>Cat no</b>	B015
<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
<p><b>Classification</b></p> <p>This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)</p> <p>Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)</p> <p><b>Label elements</b></p> <p><b>Not classified</b></p> <p><b>Hazards not otherwise classified (HNOC)</b></p> <p>Not Applicable</p> <p><b>Other hazards</b></p> <p>May be harmful if swallowed</p>
Section 3.First Aid Measures
<p><b>First aid measures</b></p> <p><b>General Advice:</b></p> <p>National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist.</p>



**Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

**Eye Contact:**

Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

**Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

**Most important symptoms and effects, both acute and delayed Symptoms**

May cause skin irritation. May cause eye irritation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

## Section 4. Fire Fighting Measures

**Extinguishing Media****Suitable Extinguishing Media:**

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

**Unsuitable Extinguishing Media:**

No information available.

**Specific hazards arising from the chemical****Hazardous Combustion Products:**

If it is involved in a fire the following can be released: bismuth oxides

**Specific hazards**

No information available



**Special Protective Equipment 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, protective equipment and emergency procedures

**Personal Precautions**

Ensure adequate ventilation. Avoid contact with skin, eye and clothing.  
Use personal protective equipment. Avoid dust formation.  
Remove all sources of ignition.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering Drains Methods and material for containment and cleaning up

**Methods for containment:**

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up:**

Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

**Section 6. Handling and Storage****Precautions for safe handling****Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

**Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities****Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

**Incompatible Materials:** Oxidizing agents Halogens

Acids Aluminum  
Bromine trifluoride  
Nitrosyl fluoride  
Ammonium nitrate  
Chloric acid  
Iodine pentafluorine  
Nitric acid  
Perchloric acid



## Section 7. Additional Information

If this product is with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

