

## Material Safety Data Sheet

Version No.:V05

Issue Date: 04.24.2021

No.:MSDS-Bohigh-0005

### Section 1 - Chemical Product and Company Identification

**MSDS Name: Synonyms:** Zinc sulphate heptahydrate  
**Company Identification:** Zinc sulphateheptahydrate  
**Address:** Borofertil – Hemagri Trade SAC  
**For information or** Jose Santos Chocano 249 Of. 803 Cercado - Arequipa  
Luis Galvani 334 Ate, Lima - Perú .  
**Emergency, please call:** +51 914613933 +51 959370314 ventas@borofertil.com

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Min Percent
7446-20-0	Zinc sulphate heptahydrate	94.55%

### Section 3 - Hazards Identification

**Appearance:** White crystal .

#### Potential Health Effects

**Ingestion** Harmful if swallowed. May cause irritation of the digestive tract.

**Inhalation** Harmful if swallowed. May cause respiratory tract irritation.

### Section 4 - First Aid Measures

**Ingestion** Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

### Section 5-Fire Fighting Measures

**EXTINGUISHING MEDIA:** This product does not burn or support combustion. Use extinguishing media appropriate for surrounding fire.

**HAZARDS:** This product is non-flammable.

**Protection:** Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

### Section 6 - Accidental Release Measures

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Do not let this chemical enter the environment.

### Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling.  
**Storage:** Store in a cool, dry place. Store tightly closed at room temperature.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Section 9 - Physical and Chemical Properties

**Physical State:** crystal  
**Appearance:** White  
**Odor** odorless  
**pH:** 4.0-6.0 (50 g/L aq.sol.)  
**Vapor Pressure:** Not available.  
**Vapor Density:** Not available.  
**Evaporation Rate:** Not available.  
**Viscosity:** Not available.  
**Boiling Point:** Not available.  
**Freezing/Melting Point:** 39°C  
**Decomposition Temperature:** Not available.  
**Solubility:** soluble in water, slightly soluble in alcohol, insoluble in acetone.  
**Specific Gravity/Density:** 3.54g/cm<sup>3</sup> @25°C  
**Molecular Formula:** ZnSO<sub>4</sub>.7H<sub>2</sub>O  
**Molecular Weight:** 287.55

### Section 10- Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. Efflorescent(tending to lose water molecules of hydration) in dry air.

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<b>Conditions to Avoid:</b>	High temperatures.
<b>Incompatibilities with Other Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Sulfur oxides (SOx), including sulfur oxide and sulfur dioxide, zinc oxides.
<b>Hazardous Polymerization:</b>	Has not been reported.

#### **Section 11 - Toxicological Information**

<b>Teratogenicity:</b>	No information found
<b>Reproductive Effects:</b>	No information found
<b>Mutagenicity:</b>	No information found

#### **Section 12 - Ecological Information**

No information available.

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

**METHODS OF DISPOSAL:** Dispose of according to all applicable governments regulations.

**CONTAMINATED PACKAGING:** Empty packaging should be recycled or disposed of through an approved waste management facility.

#### **Section 14- Transport Information**

<b>Proper Shipping Name:</b>	Not regulated
<b>Hazard Class(IMDG):</b>	No information found
<b>UN NO. :</b>	No information found

#### **Section 15 - Regulatory Information**

<b>Hazard symbols:</b>	None.
<b>Risk Phrases:</b>	Harmful if swallowed.

**Section 16 - Additional Information**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Bohigh be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Bohigh has been advised of the possibility of such damages.