

## Zoledronic Acid for Injection

### Section 1 – Chemical Product and Company Identification

<b>MSDS Name:</b>	Zoledronic acid for Injection
<b>Synonyms:</b>	Zoldron, Zoleget
<b>Company Identification:</b>	Getwell Pharmaceuticals 474, Udyog Vihar, Phase-V, Gurgaon - 122 016, Haryana, INDIA
<b>Telephone Number:</b>	+ 91 124 4014 403 / 04

### Section 2 – Product Information

<b>CAS #:</b>	165800-06-6
<b>MDL #:</b>	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>7</sub> P <sub>2</sub>
<b>Purity:</b>	98.0%
<b>EINECS#</b>	Not available

### Section 3 – Physical and Chemical Properties

<b>Physical state:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Not available
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>7</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	290.05
<b>Freezing/Melting Point:</b>	239 °C (decompose)
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Refractive Index (nD20):</b>	Not available
<b>Density:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility:</b>	Soluble in water

## Section 4 – Hazards Identification

- Eye:** Causes eye irritation.
- Skin:** Causes skin irritation. Harmful if absorbed through the skin.
- Ingestion:** May cause irritation of the digestive tract. Toxic if swallowed.
- Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

## Section 5 – First Aid Measures

- Eye:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin:** Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
- Ingestion:** Get medical aid immediately. Wash mouth out with 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 6 – Stability and Reactivity

- Chemical Stability:** Stable under normal temperatures and pressures.
- Materials to avoid:** Strong oxidizing agents.
- Conditions to Avoid:** Incompatible materials, light.
- Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides etc.
- Hazardous Polymerization:** Has not been reported.

## Section 7 – Handling and Storage

- Handling:** Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.
- Storage:** Store in a cool, dry place. Store in a tightly closed container. Keep away from light.

## Section 8 – Personal Protection

- Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.



### **Section 9 – Fire and Explosion Hazard Data**

**General Information:** As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

### **Section 10 – Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

### **Section 11 – Toxicological Information**

**RTECS#:** CAS# 118072-93-8: Not available

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** Zoledronic acid hydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

### **Section 12 – Environmental information**

Not available

### **Section 13 – Disposal Consideration**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

### **Section 14 – Transport Information**

**IATA:** No data available

**IMO:** No data available

**RID/ADR:** No data available

### **Section 15 – Regulatory Information**

#### **European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi



Getwell Pharmaceuticals

Indication of Danger: Irritant

Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if  
swallowed. Safety Phrases:

S36/37 Wear suitable protective clothing and  
gloves. WGK (Water Danger/Protection)

CAS#165800-06-6: Not  
available Canada

CAS#165800-06-6: Not available

**US Federal**

**TSCA**

CAS# 165800-06-6 is not listed on the TSCA Inventory.

**Section 16 – Additional Information**

**MSDS Creation Date:** February 10, 2017

**Update:** Original

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