# Zoledronic Acid for Injection

## Section 1 – Chemical Product and Company Identification

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

## Section 2 – Product Information

- **CAS #:** 165800-06-6  
- **MDL #:** C₅ H₁₀ N₂ O₇ P₂  
- **Purity:** 98.0%  
- **EINECS#** Not available

## Section 3 – Physical and Chemical Properties

- **Physical state:** Powder  
- **Color:** White  
- **Odor:** Not available  
- **Molecular Formula:** C₅ H₁₀ N₂ O₇ P₂  
- **Molecular Weight:** 290.05  
- **Freezing/Melting Point:** 239 °C (decompose)  
- **Boiling Point:** Not available  
- **Flash Point:** Not available  
- **Autoignition Temperature:** Not available  
- **Refractive Index (nD20):** Not available  
- **Density:** Not available  
- **Decomposition Temperature:** Not available  
- **Solubility:** 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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