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# Chemical Product

**Product Name:** Sterile Water for Injection  
**Chemical name:** Not applicable  
**Synonyms:** Not applicable  
**Chemical Formula:** $\text{H}_2\text{O}$

# Composition and Information on Ingredients

**Composition:** Water for Injection  
**Toxicological Data on Ingredients:** Not applicable

# Hazards Identification

**Potential Acute Health Effects:** Not applicable  
**Potential Chronic Health Effects:**  
*CARCINOGENIC EFFECTS:* Not applicable  
*MUTAGENIC EFFECTS:* Not applicable  
*TERATOGENIC EFFECTS:* Not applicable  
*DEVELOPMENTAL TOXICITY:* Not applicable
4. First Aid Measures

**General measures:** First Aid is not usually required since it is not likely to cause irritation, but if necessary take selective measures.

**Skin contact:** Wash with soap and water and seek medical attention if irritation persists.

**Serious skin contact:** Not known to be absorbed through the skin.

**Eye contact:** Flush eyes with water for 15 minutes and seek medical attention if irritation persists.

**Ingestion:** Induce vomiting only if victim is conscious.

**Serious ingestion:** Seek medical attention if adverse effects occur.

**Inhalation:** Remove victim to fresh air and apply artificial respiration if needed.

**Serious inhalation:** Not applicable

5. Fire and Explosion Data

**Flammability of the Product:** Non-Flammable

**Auto-Ignition Temperature:** Not applicable

**Flash points:** Not applicable

**Flammable limits:** Non-flammable

**Products of Combustion:** Not applicable

**Fire Hazards in Presence of Various Substances:** Not applicable

**Explosion Hazards in Presence of Various Substances:** Not applicable
Fire fighting media and Instructions: Not applicable

Special Remarks on Fire Hazards: Not applicable

Special Remarks on Explosion Hazards: Not applicable

6. Accidental Release Measures

NB: Wear appropriate protective equipment/clothing including gloves before removing any spills.

Small spill: Wipe up with damp cloth and place in container for disposal

Large spill: Absorb liquid with clay absorbent and absorbent pads or paper towels.

7. Handling and Storage

Precautions: avoid all contact and inhalation of mists or vapours associated with the product.

Storage: Must be stored in tightly closed containers in a cool dry place which is well ventilated.

8. Exposure Controls(Personal Protection)

Airborne Exposure Limits: Not applicable

Engineering Controls: Provide adequate ventilation

Personal Protection: Not applicable
9. Physical and Chemical Properties

Physical state and appearance: Liquid, Clear, Colourless solution
Odour: Not applicable
Taste: Not applicable
Molecular Weight: 18.02g
pH (1% solution/water): 5.0 to 7.0
Boiling Point: 100°C
Melting Point: 0°C
Critical Temperature: 374°C
Specific Gravity (Water = 1): 1.0
Vapour Pressure (mmHg): 17.5 mmHg (20°C)
Vapour Density: Not applicable
Vapour Pressure: 0%
Odour Threshold: Not applicable
Water/Oil Distribution Coefficient: Not applicable
Ionicity (in Water): Not applicable
Dispersion Properties: Not applicable
Solubility: Miscible

10. Stability and Reactivity Data

Stability: Stable
Corrosivity: Not applicable

Instability temperature: Not applicable

Conditions of Instability: Avoid heat, light and humidity, and keep away from flames since water will boil off to form water vapour.

Incompatibles: Will react with sodium and potassium metal leading to the electrolysis of water to form the explosive hydrogen and oxygen.

Polymerization: Not applicable
11. Toxicological Information

Toxicity to animals:

Oral LD50: >90 mL/kg [Rat]
Intravenous LD50: 25 g/kg [Mouse]
Intraperitoneal LD50: 190 g/kg [Mouse]

Effects on humans:
Acute potential health effects: Not applicable

Chronic potential health effects:

*MUTAGENIC EFFECTS:* Not applicable
*TERATOGENIC EFFECTS:* Not applicable
*DEVELOPMENTAL TOXICITY:* Not applicable

Other information: Used as a diluent

12. Ecological Information

Ecotoxicity: No harmful effects to aquatic organisms are expected.

13. Disposal Considerations

Waste Disposal: What is not recycled must be handled as hazardous waste and sent to an approved incinerator or disposed in an approved waste facility. Dispose in the container marked NON-HAZARDOUS WASTE.
14. References


15. Appendices

Not applicable

16. Revision History

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<tr>
<th>Version Number</th>
<th>Amendments/ Reasons for change</th>
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