

MATERIAL SAFETY DATA SHEET (MSDS)

Product: BlueWello GermKil (Industrial Grade Membrane Sanitizer)

1. PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** BlueWello GermKil
- **Product Description:** Non-Oxidizing Industrial Grade RO/UF/NF Membrane Sanitizer and Disinfectant.
- **Manufacturer:** BlueWello
- **Address:** Gala No. 1, Mhatre Compound, Sonarpada, Dombivli East, Thane, Maharashtra - 421203.
- **Contact:** +91 8928483369 | customercare@bluwello.com

2. HAZARDS IDENTIFICATION

- **Physical Hazards:** Corrosive to metals (Avoid contact with mild steel or galvanized pipes).
- **Health Hazards:**
 - Causes severe skin burns and serious eye damage.
 - Harmful if swallowed.
 - Vapors may cause respiratory irritation.
- **Chemical Hazards: VITAL PRECAUTION:** Never mix GermKil directly with Chlorine, Bleach, or strong alkaline cleaners.
 - **Environmental Hazards:** Biohazard potential; do not discharge concentrated solution into natural water bodies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Product Type:** Non-Oxidizing liquid biocide.
- **Active Ingredients:** Concentrated Germicide formulated in Demineralized (DM) Water.
- **Features:** Specifically designed to penetrate biological slime (bio-films) to eliminate bacteria, fungi, and algae.

4. FIRST AID MEASURES

- **Eye Contact:** Immediately flush with plenty of water for at least 15 minutes, holding eyelids open. Seek urgent medical advice.
- **Skin Contact:** Wash immediately with soap and plenty of water. Remove contaminated clothing.
- **Inhalation:** Move the affected person to fresh air. If irritation persists, seek medical help.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Drink plenty of water and seek immediate medical attention.

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Gala No. 1-4 behind Supreme Marble, Dawadi Naka, Kalyan- Shil Road, Dombivili (East). Thane. Maharashtra- 421203

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5. FIRE FIGHTING MEASURES

- **Flammability:** Non-flammable.
 - **Extinguishing Media:** Use water spray, dry chemical, or CO₂.
 - **Special Firefighting Procedures:** Wear self-contained breathing apparatus (SCBA) as thermal decomposition may release irritating fumes.
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6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Wear full PPE (chemical-resistant gloves, safety goggles, and facemask).
 - **Cleanup:** Dilute spill with water and absorb with sand or inert material. Place in a chemical waste container for disposal. Flush the area thoroughly with water.
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7. HANDLING AND STORAGE

- **Handling:** Always wear PPE during handling. Avoid contact with eyes and skin. Ensure adequate ventilation.
 - **Storage:** Store in original HDPE containers in a cool, shaded area.
 - **Incompatibility:** Do not mix with Alkaline cleaners or Chlorine-based products.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Eye Protection:** Chemical safety goggles or full-face shield.
 - **Skin Protection:** Chemical-resistant gloves and protective clothing.
 - **Respiratory Protection:** Wear a facemask during handling and circulation.
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9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear to Pale Yellow Liquid
 - **pH (as is):** 3.0 – 5.0 (Acidic)
 - **Specific Gravity:** 1.02 - 1.05
 - **Solubility:** 100% Soluble in Water
 - **Odor:** Characteristic / Mild
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10. STABILITY AND REACTIVITY

- **Stability:** Stable under recommended storage conditions.
 - **Incompatibility:** Chlorine, Bleach, Alkaline cleaners, and mild steel/galvanized materials.
 - **Reactivity:** Non-oxidizing formula; will not damage or degrade TFC membranes when used as directed.
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11. TOXICOLOGICAL INFORMATION

- **Corrosivity:** Corrosive; causes burns to skin and eyes.
 - **Efficacy:** Highly effective against a wide range of microorganisms including *Pseudomonas* and Sulfate-reducing bacteria.
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12. DISPOSAL CONSIDERATIONS

- Neutralize the cleaning solution as per local environmental regulations before disposal. HDPE containers are recyclable after triple rinsing.
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