



MATERIAL SAFETY DATA SHEET (MSDS)

Product: BlueWello SCALX Alkaline (Advanced Industrial Alkaline Cleaner)

1. PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** BlueWello SCALX Alkaline
- **Product Description:** Reverse Osmosis Membrane Restorative Solution for Organic & Bio Fouling.
- **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 prolonged contact with aluminium or galvanized components).
- **Health Hazards:**
 - Causes severe skin burns and serious eye damage.
 - Toxic if swallowed.
 - Harmful if inhaled; may cause respiratory irritation.
- **Chemical Hazards:** DANGER: Never mix SCALX Alkaline with SCALX Acidic or any other acid. This will cause a neutralization reaction, potentially generating significant heat and making the chemicals ineffective.

Environmental Hazards: Potential biohazard; do not discharge concentrated solution into natural water bodies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Product Type:** High-pH membrane restorative solution.
- **Active Ingredients:** Formulated with advanced chelating agents, detergents, and disinfectants specifically for breaking down bio-films (slime), organic matter, colloidal silica, and oils.

4. FIRST AID MEASURES

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

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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:** Firefighters should 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 (acid/alkali resistant gloves and goggles). Ensure adequate ventilation.
 - **Cleanup:** Dilute spill with water and neutralize carefully with a weak acidic agent if necessary before absorbing with sand or inert material. Flush the area thoroughly with water.
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7. HANDLING AND STORAGE

- **Handling:** Always use PPE (gloves and goggles). Avoid contact with eyes and skin. Use only in plastic (PVC/UPVC/HDPE) or high-grade stainless steel (SS316) equipment.
 - **Storage:** Store in original HDPE containers in a cool, shaded area between 5° C – 35°C. Keep away from acidic 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:** Alkali-resistant gloves and protective clothing/apron.
 - **Engineering Controls:** Ensure good ventilation during the Clean-In-Place (CIP) process.
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9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear to Light Amber Liquid
 - **pH (as is):** 11.0 – 12.5
 - **Specific Gravity:** 1.12 \pm 0.05
 - **Solubility:** 100% Soluble in Water
 - **Odor:** Characteristic / Mild
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10. STABILITY AND REACTIVITY

- **Stability:** Stable under recommended storage conditions.
 - **Incompatibility:** Avoid contact with acids (releases heat), chlorine-based products, aluminium, or galvanized metals.
 - **Hazardous Reactions:** Neutralization reaction with acids occurs rapidly with heat build-up.
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11. TOXICOLOGICAL INFORMATION

- **Corrosivity:** Highly alkaline; causes severe chemical burns to skin and eyes.
- **Acute Toxicity:** Harmful/Toxic if ingested.

12. DISPOSAL CONSIDERATIONS

- Waste must be neutralized to a neutral pH (approx. 7.0) before disposal. Follow all local, state, and federal environmental regulations.
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