

Pump & Equipment Compatibility Notice

Window Cleaning Warehouse recommends adhering to the following rules for all softwashing and chemical cleaning based products. Please note that specific products may have their own unique safety data sheets.

Product Compatibility & Recommendations

Our equipment and products are tested for suitability with our proprietary line of softwashing products, as well as sodium hypochlorite solutions of less than 10% when diluted to the manufacturer's specifications.

Warranty & Liability Notice

The use of any cleaning products other than sodium hypochlorite and Window Cleaning Warehouse-approved products is entirely at the user's own discretion and responsibility. Applying unauthorized cleaning chemicals may void your warranty and cause damage to your equipment. Window Cleaning Warehouse accepts no liability for any damage resulting from the use of non-recommended products.

Suitable For	Not Suitable
Professional and Domestic Window Cleaning, Softwashing, and Surface Detailing Sectors	Pressure washing and agricultural sectors
Sodium hypochlorite solutions under 10%, mixed according to manufacturer guidelines	Undiluted acids, acid-based formulations, concentrated alkalis, alkaline solutions exceeding a 10% dilution, and petroleum-derived products



Environmental & Weather Considerations

Operators must continuously monitor local atmospheric conditions before and during chemical application:

- **Wind Direction & Velocity:** Do not spray in high or gusty winds. Drift can carry hazardous chemical mists toward operators, pedestrians, neighboring properties, or vehicles.
- **Ambient Temperature & Sunlight:** High temperatures accelerate chemical evaporation, increasing chlorine gas emissions and thermal expansion risk inside sealed pump lines or tanks.
- **Precipitation:** Rain can cause immediate chemical run-off into unintended areas or storm drains, violating environmental regulations.

HSE Risk Assessment & Site Safety

A comprehensive **Health, Safety, and Environment (HSE) risk assessment** must be conducted at every job site prior to turning on equipment:

- **Operator Safety:** Ensure all safety equipment, emergency wash stations, and fresh rinse water are on site and accessible before handling concentrated chemicals.
- **Pedestrian & Public Protection:** Establish a secure exclusion zone around the work area. Use warning signage, safety cones, or physical barriers to keep members of the public, pets, and unauthorized personnel at a safe distance from chemical spray and mist zones.
- **Environmental Containment:** Identify nearby drains, watercourses, and sensitive vegetation. Use drain covers or containment booms where necessary to prevent uncontrolled chemical run-off.



Personal Protective Equipment (PPE) Requirements

Users must strictly adhere to the Safety Data Sheet (SDS) and PPE guidelines provided by their specific chemical manufacturer.

As a baseline standard for softwashing applications, we strongly advise all operators to utilize full protective gear:

- **Respiratory Protection:** A fitted half-mask or full-face respirator equipped with chemical combination filters (Acid Gas / Chlorine + P3 Particulate, e.g., ABEK1-P3). Note: Standard dust masks or N95s do not protect against chlorine fumes.
- **Eye & Face Protection:** Chemical splash-proof goggles combined with a full-face visor/shield when mixing, pouring, or spraying at height.
- **Full Body Protection:** Full chemical-resistant suit or heavy-duty waterproof apron.
- **Hand & Foot Protection:** Heavy-duty Nitrile, Neoprene, or PVC chemical-resistant gloves, and waterproof rubber/PVC boots.