

STANDARD OPERATING PROCEDURES

Electrostatic Mister

DO NOT use this machine unless you have received authorization from the Shop Coordinator



Safety goggles must be worn at all times.



Slip resistant shoes must be worn at all times.



Long sleeves must be worn at all times.



Chemical resistant gloves must be worn at all times.

Potential Hazards and Injuries

- Fumes (Respiratory Hazard)
- Chemicals (Toxicity Hazard)
- Slips, Trips, and Falls
- Electric Shock
- Fire (Trauma/Burn Hazard)

Pre-Operational Safety Checks

- Ensure tool is off when inspecting.
- Always turn the system off when not in use.
- Make sure all parts and accessories are in good operating condition and secured.
- Refer to the chemical solution instructions for the proper use and contact time.
- Open doors and windows to establish good ventilation. Turn on the HVAC system to fan mode to establish good ventilation.
- Disinfectant must be an OEHS and EPA approved disinfectant. Disinfectant must be manufacturer approved for use with an electrostatic sprayer.
- When diluting concentrate, add water to the bucket prior to adding chemical. Follow manufacturer's instructions for proper chemical/water ratio.
- Always wear the grounding strap to prevent electrostatic shock.
- Ensure grounding strap is worn according to manufacturer's instructions.
- Ensure the ground strap does not create a tripping hazard
- Adjust backpack straps to optimize fit and comfort. If necessary, the weight of the backpack can be reduced by not filling the reservoir to full capacity.
- Only use and install authorized replacement accessories, components and attachments specific to the equipment and recommended by the manufacturer

Safe Practices During Operation

- Always apply mist with the wind at your back.
- Use caution because the mist may produce slip hazards
- Drips or puddles indicate that too much mist is applied to one surface.
- Use caution when spraying around electronics.
- Utilize an "S" pattern to dispense mist.
- Walk at a comfortable, average pace to dispense mist.
- Only depress the trigger when disinfecting an area.
- Use proper lifting techniques when hoisting the backpack; Extra weight from the backpack requires additional caution to avoid losing balance.

DON'T

- Do not over saturate the area
- Do not place body parts or any foreign object into any opening of the sprayer; Never reach inside of the applicator while the sprayer is powered on.
- Never place equipment in standing water or liquid
- Never operate the sprayer if it has been damaged or if it is not working properly; Do not attempt temporary repairs.
- Do not add chemicals that are not designed for use with the sprayer
- Do not use the sprayer in occupied spaces; Never point the sprayer toward people.
- Never touch or handle the charging area within the applicator (front end) during spraying
- Do not apply too much mist. Do not allow drips and pooling.
- Do not spray over any food or other consumables. Optimal spray distance is 3 to 5 feet away from the surface/target.
- Do not spray ceilings. Do not spray overhead. Do not spray floors.

SOP must be used in conjunction with an effective training program