



LAUSD - OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY

JOB SAFETY ANALYSIS

OPERATING A VICTORY VP300ES ELECTROSTATIC BACKPACK SPRAYER

General Precautions: Ensure PPE is in good condition.

Required Personal Protective Equipment (PPE)*

Safety goggles or glasses, long sleeves, slip resistant shoes

Optional: non-NIOSH rated dust mask, chemical resistant gloves (please note, it is recommended to use the backpack without gloves. Some users may prefer to wear gloves, which is okay, but may increase the chance of a mild Electrostatic Discharge)



Required Training

Operation of equipment, PPE, Hazard Communication, and California Department of Pesticide Regulation (CDPR)

SAFETY WARNING: Do not use the electrostatic application system if you have a pacemaker or an Implantable Cardioverter Defibrillator (ICD).

*Additional training and PPE may be required depending upon the scope of the activities to be performed. All construction areas must be demarcated and barricaded.

TASK	HAZARDS	CONTROLS
Notes about the technology		<p>Do not over saturate area!!!!</p> <p>The machine gives a positive charge to the chemical as it leaves the sprayer. The chemical bonds to all surfaces, which are negatively charged.</p> <p>Positively charged chemical mist will naturally enter cracks and crevices as well as bond to hard to reach or out of view surfaces such as the underside of tables, the backs of chairs and keyboards.</p> <p>The electrostatic charge improves liquid adhesion to targeted surface(s).</p> <p>Refer to the chemical manufacturer’s instructions and EPA for proper use and contact time.</p>

	1. Equipment inspection	Inhalation Chemical	<p>Read and understand all safety precautions in the manual before use and operation of the equipment.</p> <p>Ensure device is OFF and the battery is disconnected when inspecting to reduce the risk of starting the sprayer accidentally.</p> <p>Always turn the system off when not in use.</p> <p>Make sure all parts and accessories are in good operating condition and secured.</p> <p>Check battery levels to ensure a fully charged battery is installed (battery life 4 hours)</p> <p>Use the 16.8V charger to charge the 16.8V lithium batteries only.</p> <p>The battery door must be closed at all times.</p> <p>Refer to the chemical solution instructions for the proper use and contact time.</p> <p>NOTE: Generally, wiping down surfaces is not required with this application.</p> <p>Do not place body parts or any foreign object into any opening of the sprayer.</p> <p>Never place equipment in standing water or liquid.</p> <p>Never operate the sprayer if it has been damaged or if it is not working properly.</p>
	2. Preparing for work	Inhalation Chemical Slips, Trips, Falls	<p>Put on PPE</p> <p>Open doors and windows to establish good ventilation.</p> <p>Turn on the HVAC system to fan mode to establish good ventilation.</p> <p>Disinfectant must be an OEHS and EPA approved disinfectant.</p> <p>Disinfectant must be manufacturer approved for use with an electrostatic sprayer.</p> <p>Adjust backpack straps to optimize fit and comfort.</p> <p>Do not overfill the tank (2.25gal maximum).</p> <p>Ensure employee can carry 28.8 lbs. on his/her back.</p> <p>Use proper lifting techniques to avoid a back injury.</p> <p>Unlatch the tank lock from the backpack case.</p> <p>Fill the tank with solution before inserting back onto the backpack.</p> <p>If necessary, the weight of the backpack can be reduced by not filling the reservoir to full capacity.</p> <p>Only use and install authorized replacement accessories, components and attachments specific to the equipment and recommended by the manufacturer.</p> <p>Do not attempt temporary repairs.</p>

	<p>3. Operating/starting equipment</p>	<p>Inhalation Chemical Slips, Trips, Falls</p>	<p>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. Never reach inside of the applicator while the sprayer is powered on. If working outdoors, be mindful of wind. Always apply mist with the wind at your back. Do not use outdoors when it's raining or stand on water while operating. Follow nozzle instructions to adjust, remove, and insert. Use caution because the mist may produce slip hazards Do not apply too much mist. Drips or puddles indicate that too much mist is applied to one surface. Use caution when spraying around electronics. Do not allow for drips and pooling. Use proper lifting techniques when hoisting the backpack. Extra weight from the backpack requires additional caution to avoid losing balance. 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. Utilize an "S" pattern to dispense mist. Walk at a comfortable, average pace to dispense mist. Only depress the trigger when disinfecting an area.</p>
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I have received, read and understood the contents of this JSA and have also acquired the aforementioned required training.

NAME:	
DEPARTMENT <i>or</i> SCHOOL:	
JOB TITLE:	
EMPLOYEE ID:	
DATE:	
SIGNATURE:	

For more information about this JSA, contact the *Office of Environment, Health and Safety* at LAUSD, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA-90017
213-241-1000 • <http://achieve.lausd.net/oehs>