



BioBlasting Protocols and Procedures



Cleaning and Disinfection Protocol

Pandemic 2020

Bio Blasting, LLC recommends the use of BioBlast Cleaner to be applied to hard, non-porous surfaces as the initial step in the cleaning and disinfecting process, followed by the spray application of BioBlast Disinfectant via the BioBlast Sprayer under normal conditions. BioBlast Cleaner effectively emulsifies oils and fats in addition to removing biofilm. This step is pertinent in order to achieve a complete clean prior to disinfection. BioBlast Disinfectant should be applied after a surface is cleaned to efficiently kill single-celled microorganisms found on hard surfaces. A 3-step process can be utilized during a crisis scenario that consists of disinfection, cleaning, and a final disinfection application.

Due to the current pandemic, Bio Blasting, LLC recommends proper personal protective equipment (PPE) to protect staff members during the cleaning and disinfecting process.

All staff should be OSHA/CDC compliant to ensure they are protected from pathogens on surfaces and in the airspace. This may include the use of HAZMAT/TVVEK suits. If these are not accessible, at a minimum, ensure staff members are equipped with gloves, masks, and goggles/eye protection.

It is recommended to practice CDC compliant good hand washing practices and disinfecting of goggles, respirators, and other equipment before and after disinfection procedures are performed.

Wash hands for at least 20 seconds with soap and water or use alcohol-based hand rubs with 60% or greater alcohol content frequently.

The following is Bio Blasting's recommended cleaning and disinfecting procedures:

- Before cleaning, gather all supplies needed including proper personal protective equipment (PPE)
 - BioBlast Cleaner
 - Microfiber Towels
 - BioBlast Disinfectant
 - BioBlasting Sprayer
 - 32 oz. Spray Bottle of Disinfectant (if necessary)
 - Wet Floor Sign
- Personal Protective Equipment - PPE
 1. **Hand Hygiene:** Wash hands for at least 20 seconds with soap and water or use alcohol-based hand rubs with 60% or greater alcohol content.
 2. **Tyvek suit/Gown** (when applicable)
 3. **Respirator/ Mask:** In accordance with OSHA regulations (29 CFR 1910.134 and 29 CFR 1910.1000) fogging or spraying applications may require worker respiratory protection, such as (1) NIOSH/MSHA approved air-purifying respirators, or (2) NIOSH/MSHA approved canister/cartridge facial respirators for chlorine/acid vapors.
 4. **Eye Protection:** Although BioBlast Disinfectant is designed to be safe for eyes, good manufacturing and laboratory practices recommend the use of chemical safety goggles for all applications involving chemical handling.
 5. **Gloves:** Although BioBlast Disinfectant is designed to be safe for skin, good manufacturing and laboratory practice recommend that, at a minimum, rubber, neoprene, or other chemically impervious gloves be worn for all applications involving chemical handling
- Remove all trash and dispose of accordingly. Remove any light objects from the immediate area (i.e. important documents) as the forced air from the Sprayer may cause these objects to move.
- Unplug machinery as needed. Spray BioBlast Cleaner/BioBlast Disinfectant directly onto a microfiber towel and clean/wipe all *High Touch* areas, working from top to bottom. Or spray BioBlast Disinfectant directly onto surfaces and allow sufficient time to dry.
 - Door handles, light switches, telephones, window latches
 - Computer/TV monitors, keyboards/mice, remote controls
 - Cabinets, closets, desks, tables
 - Countertops, chairs
 - Hallways: lockers, railings
 - Bathrooms: Sinks, toilets, paper towel and soap dispensers, mirrors, faucets
 - *BioBlast Cleaner can be used for burnt on grease, grime, tough jobs and residue. BioBlast Cleaner will effectively emulsify oils, fats, etc. Spray BioBlast Cleaner onto surface and allow product to sit for 1-3 minutes for touch jobs. Wipe, scrape, or scrub clean.
- After cleaning, begin Disinfection using the BioBlasting Sprayer on all *high touch and low touch* areas (ceiling, walls, equipment etc.). Pour only the amount of

BioBlast Disinfectant necessary for area to be treated into the BioBlasting Sprayer. Spray using approximately 20 microns, working from top to bottom to completely disinfect the room. Treated surfaces must remain wet for 10 minutes. Allow surfaces to air dry. Wipe any metal surfaces if pooled/puddled product remains on the surface.

- *Do not allow liquid to become pooled or puddled on metal or electronic surfaces for prolonged periods of time. Wipe these surfaces dry.
- Repeat process as necessary throughout the day. If there is concern of an infection outbreak, perform Disinfection via the BioBlasting Sprayer as the first step in the cleaning process in order to protect staff members from potential pathogens. Follow this process with the cleaning/wiping of all high-touch areas and a second spray of BioBlast Disinfectant throughout the entire facility or room. Allow sufficient time for drying.
- Dispose of gloves, masks, and other protective equipment used appropriately. Disinfect respirators and goggles before and after each use.
- Staff is able to enter area once the surfaces are dry. Do not allow staff to enter if floors are wet to prevent a slip and fall injury. Use “Wet Floor” signs as needed.
- **Storage:** Do NOT leave excess product in the BioBlasting Sprayer during prolonged storage. Flush the BioBlasting Sprayer with water after each use. Wrap electrical cord with velcro strap in order to keep cord from becoming damaged. Keep away from direct sunlight. Store at or slightly below room temperature. Avoid freezing or excessive heat exposure.
- Perform Disinfection procedures daily at the end of the day and throughout the day as needed. Perform after each service or group meeting.



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