

Cleaning and Disinfecting

SALUS™ HC PAPR (Powered Air-Purifying Respirator)

Cleaning – Hood and HEPA Filter

- Clean, dry and inspect prior to each use and before storage.
- Mechanical laundering of hoods is not recommended.
- Use warm water, mild dishwashing liquid and a soft brush to remove any dirt from exterior surfaces.
- Do not immerse equipment in water or soak components in cleaning solutions or solvents.
- Bullard has tested several common decontamination and cleaning agents to determine if the integrity of the hood has been compromised after decontaminating. Based on this testing, it was determined that the hoods did not suffer any significant degradation when cleaned with these agents after eight times.
 - Coverage Plus NPD (Steris) 1:256 concentration with distilled water
 - Process NPD (Steris) 1:256 concentration with distilled water
 - Spor Klens (Steris) undiluted
 - Bleach (Clorox) 1% concentration
 - Decon Alcohol (Veltek) 70%
 - Decon Spore (Veltek) 6.4:128 concentration
 - Quant 256 (Buckeye) 1:256 concentration with distilled water
 - Superguard (Buckeye) 1:256 concentration with distilled water
 - Sanicloth HB (Nice-Pak) undiluted
 - SaniWipes (Prochem) undiluted
 - Cavacide (Metrex) undiluted
 - Cidex OPA (Johnson & Johnson) undiluted

Cleaning – Blower motor, breathing tube, shoulder carriage

- Clean, dry and inspect prior to each use and before storage.
- Use warm water, mild dishwashing liquid and a soft brush to remove any dirt from exterior surfaces.
- As per CDC guidelines for disinfection, diluted household bleach solutions, alcohol solutions with at least 70% alcohol, and most common EPA-registered household disinfectants should be effective to disinfect exterior surfaces of the blower motor, breathing tube, exterior surface of the HEPA filter and shoulder carriage. Possible disinfection methods include:
 - ECOLAB® KLERCIDE™ 70/30 IPA (EPA Reg. No. 1677-249)
 - PeridoxRTU™ (EPA Reg. No 8383-13)
 - Sani-Cloth® Bleach Germicidal Disposable Wipes (9480-8)
 - Clorox Healthcare® Bleach Germicidal Disinfectant Wipes (EPA Reg. No. 67619-12)
 - Sodium hypochlorite solution (at a free chlorine concentration of 5,000 ppm)
 - Process NPD (1.256) from Steris
 - Spor Klens (undiluted) from Steris
 - Clorox liquid bleach at 10% concentration
 - Sani-Cloth HB wipes
 - 100% Methanol
 - 70% IPA
 - D-wipe
 - D-lead
 - 3% hydrogen peroxide
 - 1:10 ratio of bleach to water (0.5% sodium hypochlorite)



- Clorox Healthcare Bleach Wipes (EPA ID 67619-12) - 0.55% Sodium Hypochlorite
- Clorox Healthcare Bleach Trigger Spray (EPA ID 56392-7) – 0.65% Sodium Hypochlorite
- Sani-Cloth® Bleach Germicidal Disposable Wipe (product of PDI Inc)–Orange Top (EPA ID 9480-8)
- Peridox RTU (EPA ID 8383-13)



Warning: Always read and follow the user instructions and/or EPA label for your selected disinfectant. Bullard strongly recommends that a water rinse/wipe down occur after disinfection to thoroughly remove disinfection solution and reduce the possibility of user irritation and premature degradation of equipment.

- Components of PAPR respiratory systems may become damaged over time with prolonged or extended use of disinfecting products. Users must inspect the components of their PAPR respiratory systems following each disinfecting cycle and prior to use. If you discover any signs of damage, remove the component from service and either discard and replace or repair as appropriate.
- It is the responsibility of the employer to ensure appropriate cleaning chemicals are used which do not damage the PAPR system and components or cause harm to the wearer.

Storage

- The SALUS HC packaging is designed to store the respirator system where all system components have a place and everything in its place. All contents of the system are identified on the outside of the packaging for intuitive identification. Packaging is constructed to utilize the stacking of multiple respirator systems for long term storage.
- Store in a clean, contaminant free environment, protected from prolonged exposure to heat, sunlight, radiation, and chemicals.
- For prolonged storage, the blower motor should be run at least once per year for 5 minutes to ensure continued proper lubrication of the motor.
- Respirators used for emergency purposes must be inspected monthly per OSHA 29CFR1910.134. This should include running the motor/blower.

Disposal

- Damaged or worn-out batteries should be disposed of in accordance with local, state and federal regulations at an approved hazardous waste recycling or disposal facility.
- Used filters and loose-fitting hoods should be disposed of based on the contaminants collected on it and according to local environmental regulations.

For more information about the operation and care of your SALUS HC PAPR, visit www.bullard.com/salushc/usermanual