

Cleaning and Disinfecting SALUS HC PAPR (Powered Air-Purifying Respirator)

Cleaning – Loose-Fitting Facepiece

- Clean, dry and inspect prior to each use and before storage.
- Mechanical laundering of loose-fitting facepieces is not recommended.
- Use warm water, mild dishwashing liquid and a soft brush to remove any contaminants 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 loose-fitting facepiece has been compromised after decontaminating. Based on this testing, it was determined that they did not suffer any significant degradation when cleaned with these agents after eight times.
 - o Coverage Plus NPD (Steris) 1:256 concentration with distilled water
 - o Process NPD (Steris) 1:256 concentration with distilled water
 - o Spor Klenz (Steris) undiluted
 - o Bleach (Clorox) 1% concentration
 - o Decon Alcohol (Veltek) 70%
 - o Decon Spore (Veltek) 6.4:128 concentration
 - o Quant 256 (Buckeye) 1:256 concentration with distilled water
 - o Superguard (Buckeye) 1:256 concentration with distilled water
 - o Sanicloth HB (Nice-Pak) undiluted
 - o SaniWipes (Prochem) undiluted
 - o Cavacide (Metrex) undiluted
 - o 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 contaminants 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, and shoulder carriage. Possible disinfection methods include:
 - o ECOLAB® KLERCIDE™ 70/30 IPA (EPA Reg. No. 1677-249)
 - o PeridoxRTU™ (EPA Reg. No. 8383-13)
 - o Sani-Cloth® Bleach Germicidal Disposable Wipes (product of PDI Inc) –Orange Top (EPA ID 9480-8)
 - o Clorox Healthcare® Bleach Germicidal Disinfectant Wipes (EPA Reg. No. 67619-12)
 - o Sodium hypochlorite solution (at a free chlorine concentration of 5,000 ppm)
 - o Process NPD (1.256) from Steris
 - o Spor Klenz (undiluted) from Steris
 - o Clorox liquid bleach at 10% concentration
 - o Sani-Cloth HB wipes
 - o 100% Methanol
 - o 70% IPA
 - o D-wipe
 - o D-lead
 - o 3% hydrogen peroxide
 - o 1:10 ratio of bleach to water (0.5% sodium hypochlorite)
 - o Clorox Healthcare Bleach Trigger Spray (EPA ID 56392-7) – 0.65% Sodium Hypochlorite



WARNING

Always read, understand 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 any components. Failure to follow these instructions could damage the product and render it unsafe for use.

- 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 each 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.
- The battery pack should be checked for not less than 30% charge. The battery should be re-charged to 100% to continue its long-term storage.
- Respirators used for emergency purposes must be inspected monthly per OSHA 29 CFR 1910.134. This should include running the blower motor and inspecting the battery pack for proper charge level.

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 facepieces 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/respiratory/salus-hc

WARNING

Read, understand and follow all instructions and warnings in the Salus HC User Instructions. Failure to follow all instructions and warnings could result in death or serious injury or life-threatening delayed lung disease.

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