



General Order Number: 02-31	Effective Date: January 2010
Division: Apparatus and Equipment	
Chapter: SCBA Sanitizing and Maintenance	
By Order of the Fire Chief: Marc S. Bashoor	Revision Date: April 16, 2012

POLICY

To govern the proper maintenance and cleaning of Self-Contained Breathing Apparatus (SCBA) which is paramount to the proper operation of the equipment.

DEFINITIONS

Mild soap – Any liquid soap, such as dish detergent, that does not say “ultra,” that may be used to clean SCBA.

Wescodyne Plus – Scott Health and Safety approved sanitizing/disinfectant diluted iodine solution used to clean facepieces/regulators.

PROCEDURES / RESPONSIBILITIES

1. General Provision

All SCBA will be checked daily for leaks, proper operation and cleanliness. These daily checks are to include air level in cylinders, hydrostatic inspection dates, and service life of individual cylinders.

If deficiencies are identified, the SCBA will be removed from service until the deficiencies are corrected. If the SCBA requires cleaning only, it is to be cleaned at that time and placed back in service.

General cleaning of harnesses and cylinders should be done by using a mild soap solution and warm water. Do not use cleaning agents that contain ammonium chlorides, such as Spray Nine. These cleaners may cause damage, deterioration or accelerated aging to parts of the SCBA. Be sure to use caution around the high-pressure hose and coupling assembly on harnesses if not connected to a cylinder and any electrical components such as “Pak-Alert,” and Heads-Up Display (HUD) Driver.

When SCBA requires repair, it is to be cleaned, a shop ticket properly filled out, and the unit forwarded to Apparatus Maintenance for repair.

After the SCBA is utilized, the individual wearer is responsible to ensure that the SCBA is operationally ready for future use. This includes refilling the cylinder, cleaning the SCBA, and disinfecting the individual’s personal facepiece and regulator.

Regarding infectious disease control, Wescodyne Plus will be used in compliance with the attached instruction sheet distributed by Scott Health and Safety. Wescodyne Plus will be applied after



PRINCE GEORGE'S COUNTY, MARYLAND FIRE/EMERGENCY MEDICAL SERVICES DEPARTMENT GENERAL ORDER

every use of the SCBA. Its use requires no special training and is now a requirement for all personnel utilizing SCBA.

All personnel must ensure that once Wescodyne Plus is applied to any breathing apparatus component according to the attached directions, the SCBA is thoroughly rinsed with clean water. This will help prevent adverse skin reactions from contact with the cleaner.

Wescodyne Plus has a three (3) year shelf-life in concentrate. Once diluted, the product must be used within six (6) months. Contact Apparatus Maintenance for Wescodyne Plus.

REFERENCES

N/A

FORMS / ATTACHMENTS

Attachment #1 - Disinfecting/Sanitizing Scott Facepieces, Facepiece Adapters, and Mask Mounted Regulators Instruction Sheet

Attachment #2 - Inspection and Cleaning of Scott AV-3000 and AV-3000 Sureseal Full Facepiece Instruction Sheet

Attachment #3 - Wescodyne Plus Material Safety Data Sheet



PROCEDURE FOR USE

DISINFECTING/SANITIZING SCOTT FACEPIECES, FACEPIECE ADAPTERS, AND MASK MOUNTED REGULATORS

WARNING

READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY BEFORE PROCEEDING. THESE PROCEDURES ARE INTENDED TO BE USED ON RESPIRATORS WHICH MAY SUPPORT HUMAN LIFE IN HAZARDOUS ATMOSPHERES. FAILURE TO CAREFULLY FOLLOW THESE INSTRUCTIONS OR FAILURE TO CHECK THE RESPIRATOR AS INSTRUCTED HEREIN MAY RESULT IN SERIOUS INJURY OR DEATH.

DESCRIPTION

The Wescodyne Plus disinfectant/sanitizer is recommended for use on most SCOTT facepieces such as the AV-2000, AV-3000, and the SCOTT-O-VISTA.

DILUTION REQUIRED BEFORE USE

The SCOTT recommended iodine based disinfectant/sanitizer, Wescodyne Plus, is supplied as a small quantity of concentrate in either in a 16 oz. bottle or a one gallon bottle with sprayer. Prior to use, review the Wescodyne Plus concentrate Material Safety Data Sheet (MSDS) provided.

The concentrate in the bottle MUST BE DILUTED with potable (drinking) tap water as shown on the bottle label instructions. Adding water to the concentrate makes a highly diluted form of the Wescodyne Plus. Unlike the concentrate, the diluted form of the disinfectant/sanitizing cleaner is not expected to cause chemical burns, but it may cause irritation to the eyes, skin, and mucous membranes. Avoid contact with the spray. Direct the spray away from you and others. Wear personal protective equipment, if needed. If exposed, follow first aid measures for the concentrate as stated in the MSDS and on the product label. Except for the Health Information and Protection (Section 3), Regulatory Information (Section 9), and Notes (Section 10) sections, the Wescodyne Plus MSDS provides accurate guidance for the handling and storage of the dilute product.

ADD WATER TO THE LINE SHOWN ON THE BOTTLE, REPLACE THE CAP, AND SHAKE WELL TO MIX.

USE CAUTION WHEN HANDLING THE CONCENTRATE. DILUTE ONLY AS DIRECTED. DO NOT ADD ANY OTHER CHEMICALS OR CLEANING AGENTS TO THE SOLUTION.

SHELF LIFE

The Wescodyne Plus disinfectant/sanitizer in the concentrate form has a shelf life of approximately three (3) years.

The diluted product must be used within six (6) months. After dilution, immediately mark the six (6) month expiration date on the bottle label in the space provided with a permanent marker.

WARNING

KEEP THIS IODINE BASED DISINFECTING/SANITIZING CLEANER OUT OF REACH OF CHILDREN. IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH THESE INSTRUCTIONS AND ITS LABELING. IMPROPER USE OR HANDLING OF THIS PRODUCT MAY RESULT IN SERIOUS INJURY OR DEATH.

CLEANING PROCEDURES

Supplies needed:

- Drinking (potable) water - running or in a spray bottle,
- Air supply of lubricant free, dry breathing air, maximum 30 psig, for drying,
- Soap or detergent solution,
- Properly diluted iodine based disinfectant/sanitizer in a spray bottle (either 16 oz. or one gallon).

NOTE

NEVER USE A QUATERNARY AMMONIUM TYPE OF CLEANER ON ANY PART OF A SCOTT RESPIRATOR.

CLEANING A SCOTT RESPIRATOR FACEPIECE

1. With the regulator or facepiece adapter removed, carefully wash the facepiece assembly with warm (110° F / 44° C maximum) soap or detergent solution and thoroughly rinse in clean water.

NOTE

A NOSE CUP IS DESIGNED TO BE AN INTEGRAL PART OF THE FACEPIECE AND DOES NOT NEED TO BE DISASSEMBLED FOR CLEANING.

2. Disinfect/sanitize the facepiece by spraying three (3) full pumps of the properly diluted disinfectant/sanitizer on the regulator/adapter side of mask and three (3) full pumps on the face side of the mask, wetting entire mask including all rubber and plastic areas. ALLOW A TEN (10) MINUTE CONTACT TIME TO CLEAN PRIOR TO RINSING.

NOTE

THE KEVLAR¹ AND NYLON HEAD HARNESSSES ARE MADE OF POROUS MATERIAL. SCOTT RECOMMENDED DISINFECTANT/SANITIZER MAY NOT BE EFFECTIVE ON POROUS MATERIAL.

3. Rinse with drinking water using a spray bottle or running water.
4. Shake excess water off of facepiece and then dry with a clean, lint free cloth or gently blow dry with clean, dry breathing air of 30 psig or less pressure. Do not use shop air or any other air containing lubricants or moisture.

¹ Kevlar is a registered trademark of E. I. du Pont de Nemours, Inc.

CLEANING A MASK MOUNTED REGULATOR

NOTE

AFTER CLEANING A REGULATOR, VERIFY THAT ALL MOISTURE HAS BEEN REMOVED FROM THE REGULATOR AS DESCRIBED IN THE **REGULATOR CHECK** SECTION OF THIS INSTRUCTION.

1. Remove the breathing regulator from the facepiece by pulling back on the locking clip and rotating the regulator 1/4 turn clockwise as described in the OPERATING AND MAINTENANCE Instructions supplied with the respirator.
2. Remove any obvious dirt from the external surfaces with warm (110° F / 44° C maximum) soap or detergent solution and thoroughly rinse in clean water.
3. Inspect the inside of the regulator assembly through the regulator opening (see FIGURE 1). If excessive dirt or soil is present, forward regulator assembly to SCOTT trained authorized personnel for thorough cleaning.

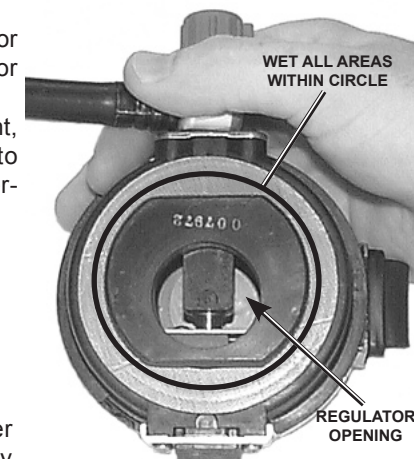


FIGURE 1

4. Depress the donning/air saver switch, close the purge knob by turning fully clockwise.
5. To disinfect/sanitize the regulator, spray a minimum of six (6) full pumps of the disinfectant/sanitizer into the regulator opening. Make sure to also wet the immediate area around the opening (see FIGURE 1). Swirl to completely cover internal components.
6. Turn regulator opening face down and shake excess liquid out. ALLOW FOR TEN (10) MINUTES OF CONTACT TIME TO CLEAN PRIOR TO RINSING.
7. Rinse regulator with drinking water using a spray bottle or gently running tap water.
8. Shake excess water out of regulator, Completely air dry the regulator before use.

NOTE

TO SPEED DRYING OF THE REGULATOR, GENTLY BLOW DRY WITH CLEAN, DRY BREATHING AIR OF 30 PSIG MAXIMUM. **DO NOT USE SHOP AIR OR ANY OTHER AIR CONTAINING LUBRICANTS OR MOISTURE.**

9. If regulator was disconnected from air supply for cleaning, reconnect and open purge valve to remove any moisture from regulator spray bar. Close purge valve.
10. Perform REGULATOR CHECK as detailed below.

SEE REGULATOR CHECK ON PAGE 2...

REGULATOR CHECK

NOTE

THIS REGULATOR CHECK IS NOT INTENDED TO BE A COMPLETE FUNCTIONAL CHECK OF THE RESPIRATOR. **BEFORE NEXT USE, PERFORM A REGULAR OPERATIONAL INSPECTION AS CONTAINED IN THE OPERATING AND MAINTENANCE INSTRUCTIONS SUPPLIED WITH EACH RESPIRATOR.**

FOR SELF-CONTAINED BREATHING APPARATUS:

1. Check to make sure the respirator cylinder is at least 1/4 full.
2. Verify that the donning/air saver switch is fully depressed.
3. Close the purge knob.
4. Reattach the regulator to the respirator, (if removed for cleaning).
5. Slowly open the cylinder valve at least one (1) full turn.
6. If air flow from the regulator is heard, close the cylinder valve, repeat steps 1, 2 and 3. If air flow is still heard, close the cylinder valve fully, tag unit for repair and remove from service.

On regulators equipped with the Vibralert® alarm or Beacon Alarm™, the alarm will actuate immediately after the cylinder valve is turned on, if the alarm does not actuate, tag unit for repair and remove from service.

NOTE

IF THE CYLINDER IS APPROXIMATELY 1/4 FULL OR LESS, THE VIBRALERT OR BEACON ALARM MAY CONTINUE TO OPERATE

WARNING

IF THE VIBRALERT OR BEACON ALARM FAILS TO ACTUATE OR DOES NOT STOP AFTER A BRIEF INTERVAL, DO NOT USE THE RESPIRATOR. REMOVE IT FROM SERVICE AND TAG FOR REPAIR BY AUTHORIZED PERSONNEL.

THROUGHOUT THIS PROCEDURE.

7. Open the purge valve and observe the air flow from the regulator spray bar. Droplets of water indicate the regulator is not dry. Dry the regulator according to Step 8 of CLEANING THE MASK MOUNTED REGULATOR section and repeat the REGULATOR CHECK.

FOR AIRLINE RESPIRATORS:

1. Verify that the donning/air saver switch is fully depressed.
2. Close the purge knob.
3. Reattach the regulator to the air supply hose, (if removed for cleaning).
4. If air flow from the regulator is heard, detach from air supply, repeat steps 1, 2 and 3. If air flow is still heard, tag unit for repair and remove from service.
5. Open the purge valve and observe the air flow from the regulator spray bar. Droplets of water indicate the regulator is not dry. Dry the regulator according to Step 8 of CLEANING THE MASK MOUNTED REGULATOR section and repeat the REGULATOR CHECK.

CLEANING A FACEPIECE ADAPTER

1. Remove the facepiece adapter from the facepiece by pulling back on the locking clip and rotating the regulator/adapter 1/4 turn clockwise as described in the OPERATING AND MAINTENANCE Instructions supplied with the respirator.
2. Remove any obvious dirt from the external surfaces with warm (110° F / 44° C maximum) soap or detergent solution and thoroughly rinse in clean water.
3. To disinfect/sanitize the adapter, spray a minimum of six (6) full pumps of the disinfectant/sanitizer into the adapter openings. Make sure to also wet the immediate area around the opening. Swirl to completely cover internal components.
6. Shake excess liquid out. ALLOW FOR TEN (10) MINUTES OF CONTACT TIME TO CLEAN PRIOR TO RINSING.
7. Rinse the adapter with drinking water using a spray bottle or gently running tap water.
8. Shake excess water out of adapter. Completely air dry the adapter before use.

NOTE

TO SPEED DRYING OF THE REGULATOR, GENTLY BLOW DRY WITH CLEAN, DRY BREATHING AIR OF 30 PSIG MAXIMUM. **DO NOT USE SHOP AIR OR ANY OTHER AIR CONTAINING LUBRICANTS OR MOISTURE.**

QUESTIONS OR CONCERNS

If you have any questions or concerns regarding use of this disinfectant/sanitizer, contact your authorized SCOTT distributor, or contact SCOTT at 1-800-247-7257 (or 704-291-8300 outside the continental United States).

USE AT LOW TEMPERATURES

Respirators intended for routine use and respirators not routinely used but kept for emergency use shall be located in areas where the temperature is maintained above freezing (32° F / 0° C). Because the cleaning procedure involves the use of liquids, respirators stored or used at cold temperature must be warmed before cleaning. Respirators being used at cold temperatures after cleaning must be completely dry. See the REGULATOR CHECK section of this instruction.

If it is necessary to keep the respirator at a temperature at or below freezing before next use, special care **MUST** be used to verify that all components of the respirator including the regulator are **THOROUGHLY DRIED.**

It is strongly recommended that the regulator be thoroughly dry before use. However, in emergency circumstances the regulator may be used immediately after cleaning and rinsing as instructed above only if the following requirements are satisfied:

1. Shake all excess water out of regulator. Reconnect to air supply and open purge valve to remove any moisture from the regulator spray bar. Close the purge valve.
2. Prevent exposure to temperatures below 32° F / 0° C while in storage and prior to use.
3. Before entering hazardous environment, reattach regulator to facepiece and verify that the breathing apparatus is operating normally and that visibility is not impaired by fogging or condensation on the facepiece lens.

WARNING

USE OF A RESPIRATOR AT TEMPERATURES AT OR BELOW FREEZING (32° F / 0° C) WITHOUT FOLLOWING THE LOW TEMPERATURE OPERATION INSTRUCTIONS ABOVE AND THOSE PROVIDED IN THE OPERATING AND MAINTENANCE INSTRUCTIONS PROVIDED WITH THE RESPIRATOR MAY RESULT IN OBSCURED VISION AND/OR PARTIAL OR COMPLETE BLOCKAGE OF THE AIRFLOW WHICH COULD LEAD TO SERIOUS INJURY OR DEATH.

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**AV-3000 INSPECTION
AND CLEANING INSTRUCTIONS**

**INSPECTION AND CLEANING
OF SCOTT AV-3000®
AND AV-3000 SURESEAL™
FULL FACEPIECE**

WARNING

THIS SCOTT AV-3000 FULL FACEPIECE ASSEMBLY IS INTENDED FOR USE AS PART OF A COMPLETE RESPIRATOR WHICH MAY SUPPORT HUMAN LIFE IN HAZARDOUS ATMOSPHERES. ADDITIONAL COMPONENTS ARE REQUIRED TO MAKE A COMPLETE RESPIRATOR TRAINING IS REQUIRED BEFORE USE. REFER TO THE DONNING, USE, DOFFING, AND MAINTENANCE INSTRUCTIONS SUPPLIED WITH THE COMPLETE RESPIRATOR.

INSPECT THIS FACEPIECE AND HEAD HARNESS BEFORE EVERY USE. DO NOT USE WITH WORN, LOOSE, OR DAMAGED COMPONENTS. FAILURE TO READ, UNDERSTAND AND CAREFULLY FOLLOW THESE INSTRUCTIONS WHEN USING AND/OR CLEANING THE FACEPIECE ASSEMBLY MAY RESULT IN SERIOUS INJURY OR DEATH.

READ BOTH SIDES CAREFULLY BEFORE USE

REGULAR OPERATIONAL INSPECTION

Always inspect and clean a new facepiece before the first use. Remove and keep the label attached to the lens of a new facepiece. See the CLEANING AND STORAGE section of this instruction.

Before each use of the respirator, perform the following INSPECTION of the facepiece as part of the REGULAR OPERATIONAL INSPECTION of the complete respirator as defined in the USER INSTRUCTIONS supplied with the respirator:

1. Inspect the facepiece seal and other rubber components for deformation, wear, damage, or cracks.
2. Check that all harness anchors are present, firmly attached, and do not rotate.
3. Inspect the lens for cracks, gouges, scratches, or any condition that could impair the operation of the facepiece or the user's vision.
4. Inspect the facepiece port for damage where the regulator/adaptor attaches. Inspect the two (2) support tabs and the facepiece around the mount for cracks or other signs of damage.
5. Inspect the lens frame bezel for damage such as cracks or distortion.
6. Check that both lens frame bezel screws are present and installed correctly.
7. Inspect the head harness for correct installation with all straps oriented correctly.
8. Inspect the head harness for damage or worn components.
9. Inspect the nose cup for cuts or damage.
10. Examine the facepiece assembly to be certain the nose cup inhalation valves are installed, Check that the nose cup is properly seated between the flanges of the voicemitter ducts. See FIGURE 1.

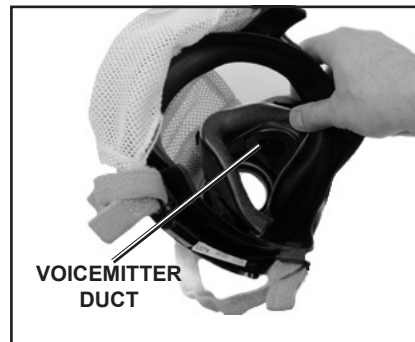


FIGURE 1

REGULAR OPERATIONAL INSPECTION CONTINUED...

11. Verify that the nose cup is properly installed for the style of nose cup being used. This facepiece is available with two different styles of nose cup. The BLACK Nose cup must be fitted BEHIND the Face Seal as shown in FIGURE 2. The GRAY nose cup must be fitted IN FRONT OF the Face Seal as shown in FIGURE 3.



**FIGURE 2
BLACK Nose Cup
BEHIND Face Seal**



**FIGURE 3
GRAY Nose Cup
IN FRONT OF Face Seal**

The facepiece must be complete and in serviceable condition with no worn, loose, or damaged components. If any damage is found, remove the facepiece from service and tag for repair by authorized personnel.

NIOSH approval and NFPA compliance are granted to respiratory protection equipment made up of specific combinations of parts or assemblies that have been successfully tested to the performance standards established by the approval agencies.

To maintain NIOSH approval and NFPA compliance, an AV-3000 facepiece equipped with a SureSeal face seal P/N 31001738 (Small), P/N 31001739 (Medium), or P/N 31001740 (Large) must be used **only** with Grey Nose Cup P/N 31001043 (Small), P/N 31001044 (Medium), or P/N 31001045 (Large).

If you are using an AV-3000 facepiece equipped with a SureSeal face seal and do not have a Grey Nose Cup, contact SCOTT or your authorized SCOTT distributor. Failure to comply with this requirement will void the approvals for your respirator. Use of a non-compliant configuration in a hazardous atmosphere may result in serious injury or death.

WARNING

TO MAINTAIN NIOSH APPROVAL AND NFPA COMPLIANCE, AN AV-3000 FACEPIECE EQUIPPED WITH A SURESEAL FACESEAL P/N 31001738 (SMALL), P/N 31001739 (MEDIUM), OR P/N 31001740 (LARGE) MUST BE USED ONLY WITH GREY NOSE CUP P/N 31001043 (SMALL), P/N 31001044 (MEDIUM), OR P/N 31001045 (LARGE). USE OF A NON-COMPLIANT CONFIGURATION IN A HAZARDOUS ATMOSPHERE MAY RESULT IN SERIOUS INJURY OR DEATH.

CLEANING AND STORAGE

NOTE

THE NOSE CUP IS DESIGNED TO BE AN INTEGRAL PART OF THE FACEPIECE AND DOES NOT NEED TO BE REMOVED FOR CLEANING AND DISINFECTING. IF THE NOSE CUP IS REMOVED FOR INSPECTION, MAKE CERTAIN IT IS REINSTALLED PROPERLY AS SPECIFIED ON THE REVERSE SIDE OF THIS INSTRUCTION.

1. Carefully wash the facepiece assembly with a solution of mild soap or detergent in warm water (110° F / 44° C maximum).

NOTE

FOLLOW ALL THE INSTRUCTIONS AND THE MATERIAL SAFETY DATA SHEET (MSDS) PROVIDED WITH THE SANITIZING OR DISINFECTING CLEANER.

2. To sanitize or disinfect the facepiece, use the SCOTT recommended sanitizing or disinfecting cleaner according to the instructions provided with the cleaner. Sanitizing or disinfecting may require a specific contact time of the cleaner prior to rinsing.

NOTE

THE SCOTT RECOMMENDED CLEANER MAY NOT BE EFFECTIVE ON HEAD HARNESSES MADE OF POROUS MATERIAL SUCH AS KEVLAR¹ OR POLYESTER.

3. Rinse with drinking water using a spray bottle or running water.
4. Shake excess water off of facepiece and then dry with a clean, lint free cloth or gently blow dry with clean, dry breathing air of 30 psig or less pressure. DO NOT use shop air or any other air containing lubricants or moisture.
5. Dry thoroughly before storage.
6. Do not store the facepiece with the regulator/adaptor attached.
7. Store the facepiece with nothing on top of it that could cause deformation or distortion of the facepiece lens, seals, or other parts.

- DO NOT use abrasive cleaners.
- DO NOT use bleach.
- DO NOT use cleaners which contain quaternary ammonium compounds.
- DO NOT use solvents such as acetone, paint and lacquer thinner, benzene or dry cleaning fluid.
- DO NOT polish with paper towels as most paper contains abrasives.
- DO NOT autoclave or wash in an automatic washer.
- DO NOT use a vapor degreaser/polisher.

CAUTION

THE LENS IN THIS FACEPIECE ASSEMBLY IS MOLDED OF POLYCARBONATE PLASTIC AND HARD-COATED TO RESIST ABRASION, BUT CARE IN HANDLING AND CLEANING IS STILL REQUIRED. THE LENS CAN BE DAMAGED BY ABRASIVE OR HARSH CLEANERS AND SOFTENED BY SOME SOLVENTS. WHILE MANY HOUSEHOLD CLEANERS, DISINFECTANTS AND PLASTIC CLEANERS ARE ACCEPTABLE, FIRST TEST THE CLEANER ON THE EDGE OF A LENS OUTSIDE THE VIEWING AREA. IF THE CLEANER CAUSES ANY SCRATCHES OR ANY CHANGE IN THE APPEARANCE OF THE LENS, DO NOT USE THE CLEANER AS IT MAY CAUSE IRREPARABLE DAMAGE TO THE FACEPIECE.

READ ALL WARNINGS ON BOTH SIDES BEFORE USE

IF YOU HAVE ANY QUESTIONS REGARDING USE
OR MAINTENANCE OF THIS PRODUCT,
CONTACT SCOTT HEALTH AND SAFETY AT 1-800-247-7257

¹Kevlar is a registered trademark of E.I. du Pont de Nemours and Company, Wilmington, DE.

DONNING THE SCOTT AV-3000 FULL FACEPIECE

DONNING THE FACEPIECE

Refer to the USER INSTRUCTIONS for the complete respirator for full details of donning and use of the respirator. Remember, the facepiece alone does not provide any protection against a hazardous atmosphere without the use of the other components which are required for operation of the complete respirator.

WARNING

THE FACEPIECE ALONE DOES NOT PROVIDE ANY PROTECTION AGAINST A HAZARDOUS ATMOSPHERE WITHOUT THE USE OF THE OTHER COMPONENTS WHICH ARE REQUIRED FOR OPERATION OF THE COMPLETE RESPIRATOR. FIT TESTING IS REQUIRED BEFORE USE OF THIS FACEPIECE WITH A RESPIRATOR. REFER TO THE USER INSTRUCTIONS PROVIDED WITH THE COMPLETE RESPIRATOR FOR FULL DETAILS OF DONNING AND USE OF THE RESPIRATOR. IMPROPER USE OF THE RESPIRATOR OR USE OF AN INCOMPLETE RESPIRATOR MAY RESULT IN SERIOUS INJURY OR DEATH.

Fit testing is required to determine the correct facepiece and nose cup size for each user. It is the responsibility of the Respiratory Protection Program Manager or Safety Coordinator to assist the user in selecting the correct respirator size relative to the user's facial features and dimensions. Greater detail of the requirements for fit testing and use are provided in the USER INSTRUCTIONS provided with the complete respirator. Fit Testing must be performed with any approved SCOTT accessories that will be used with the respirator installed, such as a communications device installed on the facepiece.

Respirator fit tests are explained fully in the American National Standard Practices for Respiratory Protection, ANSI Z88.10-2001 which is published by the American National Standards Institute (ANSI), 11 West 42nd Street, New York, New York, 10036, and in the Occupational Safety and Health Standards, OSHA 29 CFR 1910.134 Appendix A, which is published by the Occupational Safety and Health Administration (OSHA), 200 Constitution Avenue, NW, Washington DC, 20210.

Quantitative Fit Testing per OSHA Standard 29 CFR Part 1910.134 Appendix A, or ANSI Standard Z88.10-2001 requires testing in the negative pressure mode using equipment such as a Portacount® Respirator Fit Tester. For Quantitative Fit Testing, SCOTT facepieces require use of the appropriate negative pressure testing equipment such as the Portacount Respirator Fit Tester along with the necessary SCOTT components and accessories.

The use of Mask Seal Kit P/N 805655-01 may be required to attain a proper fit. Refer to the INSTALLATION AND USE INSTRUCTIONS, SCOTT P/N 89462-01, included with the Mask Seal Kit. After installing the Mask Seal Kit, repeat the fit testing process to confirm a proper fit.

The size of each AV-3000 or AV-3000 SureSeal facepiece is indicated with color inserts at the head harness anchors. The sizes are: SMALL (Green inserts), MEDIUM (Black inserts), and LARGE (Red inserts). The BLACK nose cup is available in four sizes (S, M, L and XL) and the GRAY nose cup is available in three sizes (S, M, and L). Users must verify that they have the correct size facepiece and nose cup before use.

The AV-3000 Facepieces are equipped with four (4) head harness straps (two temple and two neck straps) and the AV-3000 SureSeal Facepieces are equipped with five (5) head harness straps (one forehead strap, two temple and two neck straps). Follow the appropriate instructions for your configuration.

WARNING

RESPIRATORS SHALL NOT BE WORN WHEN CONDITIONS PREVENT A GOOD FACE SEAL. SUCH CONDITIONS MAY INCLUDE, BUT ARE NOT LIMITED TO, GROWTH OF BEARDS, SIDEBURNS, FACIAL HAIR OR LOW HAIRLINE THAT CROSSES OR INTERFERES WITH THE SEALING SURFACE, THICK OR PROTRUDING HAIRSTYLES SUCH AS PONY TAILS OR BUNS THAT INTERFERE WITH THE SMOOTH AND CLOSE FIT OF THE HEAD HARNESS TO THE HEAD, A SKULL CAP THAT PROJECTS UNDER THE FACEPIECE, TEMPLE PIECES ON CORRECTIVE EYE GLASSES, EXCESSIVE USE OF COSMETICS INCLUDING MOISTURIZERS, MAKE-UP, OR AFTER SHAVE, OR ANYTHING ELSE WHICH INTERFERES WITH THE FACE TO FACEPIECE SEAL. ALSO, THE ABSENCE OF ONE OR BOTH DENTURES CAN SERIOUSLY AFFECT THE FIT OF A FACEPIECE. USE OF AN IMPROPERLY FITTED FACEPIECE MAY LEAD TO EXPOSURE TO THE HAZARDOUS ATMOSPHERE WHICH COULD RESULT IN SERIOUS INJURY OR DEATH. REFER TO THE USER INSTRUCTIONS FOR THE COMPLETE RESPIRATOR FOR ADDITIONAL INFORMATION.

WARNING

FAILURE TO DON THE FACEPIECE PROPERLY AND/OR FAILURE TO ADJUST THE HEAD HARNESS PROPERLY MAY RESULT IN A POOR FACE TO FACEPIECE SEAL OR MAY RESULT IN THE FAILURE OF THE FACE TO FACEPIECE SEAL DURING USE. A POOR OR FAILED FACE TO FACEPIECE SEAL MAY REDUCE THE DURATION OF USE OF THE RESPIRATOR AND/OR EXPOSE THE USER TO THE ATMOSPHERE THE RESPIRATOR IS INTENDED TO PROTECT AGAINST RESULTING IN SERIOUS INJURY OR DEATH.

DONNING THE AV-3000 FACEPIECE

1. Adjust the head straps to their full outward position.
2. Hold the facepiece in one hand and hold the head harness by the strap at the base of the head net.
3. Place the facepiece on the face with chin properly located in the chin pocket while pulling the head harness over the top of the head. Verify that no hair or clothing is interfering with the face to facepiece seal.

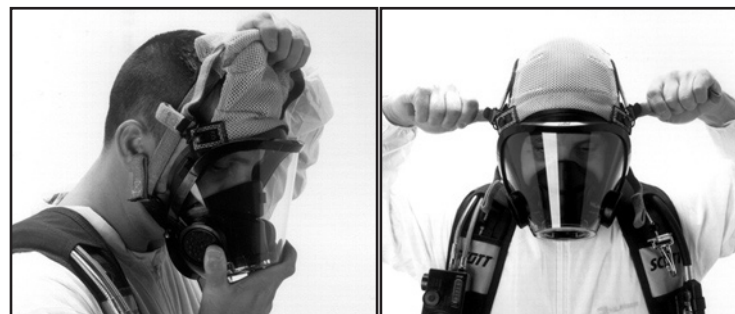


FIGURE 4

FIGURE 5



FIGURE 6

FIGURE 7

NOTE

ENSURE THAT THE CHIN IS PROPERLY LOCATED IN THE CHIN POCKET OF THE FACEPIECE THROUGHOUT THE DONNING PROCESS.

4. Tighten the neck straps by pulling the two lower strap ends toward the rear of the head.
5. Stroke the head harness net down the back of the head using one or both hands. Verify that the head harness is lying flat against the back of the head. Retighten the neck straps.
6. Tighten the two temple straps. Adjust the temple straps by pulling the two temple strap ends toward the back of the head. Overtightening may cause discomfort.

NOTE

VERIFY THAT THE TOP CENTER PORTION OF THE HEAD HARNESS IS POSITIONED OVER THE CROWN OF THE HEAD.

7. Retighten the neck straps if required.
8. Refer to the USER INSTRUCTIONS for the complete respirator for proper use of the respirator with this facepiece.

IF YOU HAVE ANY QUESTIONS REGARDING USE
OR MAINTENANCE OF THIS PRODUCT,
CONTACT SCOTT HEALTH AND SAFETY AT 1-800-247-7257

DONNING THE AV-3000 SURESEAL FACEPIECE

1. Adjust the head straps to the full outward position.
2. Hold the facepiece in one hand while holding the head harness up and out of the way with other hand. Use the Head Harness Pull Tab on the bottom rear of the head harness.
3. Place the facepiece centered on the face with the chin properly positioned in the chin cup. Verify that no hair or clothing is interfering with the face to facepiece seal. Hold the facepiece in place with the chin properly located in the chin cup throughout the donning process.

NOTE

ENSURE THAT THE CHIN IS PROPERLY LOCATED IN THE CHIN POCKET OF THE FACEPIECE THROUGHOUT THE DONNING PROCESS.

4. Stroke the head harness over the head and ensure that straps are lying smooth and flat against the head and neck with no twists. Use the Head Harness Pull Tab to verify the head harness is centered and properly located at the back and base of the head. Maintain the head harness in this position.

NOTE

VERIFY THAT THE TOP CENTER PORTION OF THE HEAD HARNESS IS POSITIONED OVER THE CROWN OF THE HEAD.



CENTER HEAD HARNESS ON THE CROWN OF THE HEAD
FIGURE 8

5. While holding the facepiece in place with one hand, tighten the neck straps evenly one at a time by pulling each neck strap end toward the rear of the head. Alternate hands to maintain the facepiece position on the face.
6. Verify the proper location of the face in the facepiece and the chin in the chin cup. While still holding the facepiece in place with one hand, tighten the temple straps evenly one at a time by pulling each temple strap end toward the rear of the head. Alternate hands to maintain the facepiece position on the face.
7. Verify the proper location of the face in the facepiece and the chin in the chin cup. Tighten the forehead strap last by pulling the forehead strap toward the back of the head. Do not overtighten the forehead strap.
8. Verify that the head harness is centered on the crown of the head and lying flat against the back of the head. Verify the proper location of the face in the facepiece and the chin in the chin cup and retighten all straps as needed.
9. Stroke the head harness down the back of the head and make sure the net is centered on your head. If necessary, adjust the head harness net to the center of the crown of the head.
10. Verify the proper location of the face in the facepiece and the chin in the chin cup. Retighten the straps if required. All straps must be snug and the facepiece should feel secure.
11. Refer to the USER INSTRUCTIONS for the complete respirator for proper use of the respirator with this facepiece.

READ ALL WARNINGS ON BOTH SIDES BEFORE USE

tyco

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MATERIAL SAFETY DATA SHEET

Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

WESCODYNE® PLUS

Page: 1 of 4
Date Prepared: July 2, 2007
MSDS No.: 7511-707A

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: Wescodyne Plus (EPA Reg. No. 4959-16-52)
GENERAL USE: Sanitizer, disinfectant
PRODUCT DESCRIPTION: Iodophor disinfectant
GENERIC INGREDIENTS: Water, surfactant-iodine complex, phosphoric acid

EMERGENCY TELEPHONE NUMBERS: **PENETONE 201-567-3000**
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARDOUS INGREDIENTS

	CAS#	EXPOSURE LIMITS 8 hrs. TWA		Supplier
		OSHA PEL	ACGIH TLV	
Iodine (1.6 % titratable)	7553-56-2	0.1 ppm	—	—
Phosphoric acid	7664-38-2	1.00 mg/m ³	---	—

SECTION 3 HEALTH INFORMATION & PROTECTION

EMERGENCY OVERVIEW:

Dark red brown liquid with mild iodine odor.
Can be corrosive to skin and eyes.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

May cause irritation or burns on prolonged contact. Mist may be irritating.

SKIN CONTACT:

Frequent or prolonged contact may irritate or dry the skin, cause dermatitis, or cause burns. Skin contact may aggravate an existing dermatitis condition

INHALATION:

Inhalation of spray mist may cause irritation or burns to the respiratory tract.

INGESTION:

Ingestion can cause burns to the mouth, esophagus, and stomach.

FIRST AID MEASURES:

EYE CONTACT:

Flush eyes with large amounts of water. See physician immediately.

SKIN CONTACT:

Flush skin with large amounts of water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

INHALATION:

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

INGESTION:

If swallowed, give plenty of water or milk. DO NOT INDUCE VOMITING. Call a physician immediately.

WORKPLACE EXPOSURE CONTROLS:

PERSONAL PROTECTION:

Splash proof goggles are recommended for all workplace conditions. Rubber gloves should be used. When spraying this product, rubber boots, aprons, gauntlets, or rain gear should be worn depending on operations.

VENTILATION:

None needed under normal use conditions. If the product is being sprayed, a dust mask or particle respirator is recommended. DO NOT MIST THIS PRODUCT. Use coarse spray only.

SECTION 4 FIRE & EXPLOSION HAZARDS

FLASH POINT: None to boiling point (TCC, COC)

FLAMMABLE LIMITS: Not applicable

AUTOIGNITION TEMPERATURE: Not determined

GENERAL HAZARD:

This is a water based product and presents no unusual hazards in a fire.

FIRE FIGHTING:

Cool containers with water.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes, and oxides of carbon and phosphorus when taken to dryness. Iodine vapor may be given off above temperatures of 120°F.

SECTION 5 SPILL CONTROL MEASURES

LAND SPILL:

For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Rinse area with water. Put all material into appropriate waste containers. Product can be carefully neutralized with sodium carbonate or sodium bicarbonate followed with sodium thiosulfate or sodium sulfite.

WATER SPILL:

Product is water based and water dilutable. Surfactants used in this product are biodegradable. Localized high concentration of product may cause fish kills, but no persistent or long term effects will result. Phosphoric acid is listed in the Clean Water Act. Check with local environmental regulatory agencies for reporting requirements.

SECTION 6 HANDLING & STORAGE

STORAGE TEMPERATURE, °F: ambient. DO NOT STORE ABOVE 120° F. KEEP FROM FREEZING.

GENERAL: Do not store near strong bases. Avoid storing near products containing chlorine. Do not use above 120°F.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT, °F:

about 212

EVAPORATION RATE, Acetone = 1:

equal to water

SOLUBILITY IN WATER:

soluble

SPECIFIC GRAVITY at 75°F:

1.135

ODOR AND APPEARANCE:

Dark red-brown liquid with mild iodine odor

VAPOR PRESSURE, mm Hg at 20°C:

equal to water

VAPOR DENSITY (Air = 1):

equal to water

WT% ORGANIC VOLATILES:

0

pH:

less than 2

SECTION 8 REACTIVITY DATA

GENERAL:

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong bases, reducing agents, strong oxides, chlorinated products.

SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

PROPER SHIPPING NAME:

DISINFECTANT LIQUID, CORROSIVE, N.O.S.
(contains phosphoric acid)

HAZARD CLASS: 8

IDENTIFICATION NUMBER: UN1903

PACKING GROUP: III

LABEL: CORROSIVE

FLASH POINT: none-to-boil

pH: less than 2

TSCA: The ingredients in this product are listed on the TSCA inventory.

CERCLA:

This product contains the following CERCLA reportable material:

Phosphoric acid CAS# 7664-38-2 RQ = 5000 lbs

Releases exceeding the RQ must be reported to the National Response Center, 800-424-8802, and may be subject to state and local reporting.

RCRA HAZARD CLASS:

D002 Corrosive Hazardous Waste

SARA TITLE III:

311/312 HAZARD CATEGORIES:

Acute health

313 REPORTABLE INGREDIENTS:

Phosphoric acid CAS# 7664-38-2 10-20 wt%

CLEAN WATER ACT

Phosphoric acid is listed in the Clean Water Act as a hazardous substance.

NEW JERSEY RIGHT-TO-KNOW INFORMATION:

This product contains water (CAS# 7732-18-5), phosphoric acid (CAS# 7664-38-2) and alpha-(p-nonylphenyl)-omega-hydroxypoly (oxyethylene)-iodine complex (CAS# not available).

CALIFORNIA PROPOSITION 65 INFORMATION:

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION:

Is there a photochemically reactive material present? No
What is the % by volume of photochemically reactive material? 0
What is the VOC content? 0
What is the vapor pressure of VOC's? 0

SECTION 10 NOTES

HAZARD RATING SYSTEMS:

	HMIS	NFPA	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	0	0	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

REVISION SUMMARY:

Change in Section 9

SUPERSEDES ISSUE DATE:

June 22, 2006

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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