



FIRE PROTECTION TRAINING

Procedures Handbook 4300

PERSONAL PROTECTIVE EQUIPMENT

TOPIC: PROCEDURES USED TO CLEAN AND SANITIZE SELF-CONTAINED BREATHING APPARATUS

TIME FRAME: :20

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will describe procedures to clean and sanitize breathing apparatus

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- SCBA face piece with inhalation tube
- Warm water
- Disinfectant

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 5th Edition
- Self-Contained Breathing Apparatus, 1st Edition
- Manufacturer's Recommendations

To maintain proper working condition, eliminate unpleasant odors, and prevent the spread of disease it is imperative that S.C.B.A. face pieces be cleaned and disinfected after every use



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PRESENTATION	APPLICATION
<p>I. MINIMUM CLEANING INTERVAL</p> <ul style="list-style-type: none">A. After each useB. When visual inspection indicates needC. When exposed to any contaminationD. Never use paper towels <p>II. FACE PIECES WITHOUT VOICE AMPLIFICATION DEVICES – BELT MOUNT REGULATOR</p> <ul style="list-style-type: none">A. Disconnect breathing tube from face pieceB. Immerse breathing tube and face piece in cleaning sanitizing solution <ul style="list-style-type: none">1. Solution prepared as per manufacturers directions2. MSA Cleaner - Sanitizer - 2 ounces per gallon of warm (120°F) water	<p>When should SCBA be cleaned?</p> <p>Use appropriate safety measures if contamination suspected</p> <p>Make visual inspection of all components while cleaning</p> <p>What should solution accomplish?</p> <ul style="list-style-type: none">1. Cleanse2. Sanitize



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<ul style="list-style-type: none">C. Sponge face piece and breathing tube thoroughly D. Rinse face piece and breathing tube in clean warm (120°F) water E. Stretch breathing tube to drain standing water from corrugations F. Hang face piece and breathing tube to air dry<ul style="list-style-type: none">1. Not in direct sunlight2. For several hours3. Do not place near heat sources as rubber will deteriorate	<p>Care must be taken not to scratch face piece lens</p>
<p>III. FACE PIECES WITHOUT VOICE AMPLIFICATION DEVICES – MASK MOUNT REGULATOR</p>	
<ul style="list-style-type: none">A. Immerse face piece in cleaning sanitizing solution B. Sponge face piece thoroughly C. Rinse face piece in clean warm (120°) water D. Hang face piece to air dry<ul style="list-style-type: none">1. Not in direct sunlight2. For several hours3. Do not place near heat sources as rubber will deteriorate	
<p>IV. FACE PIECES WITH VOICE AMPLIFICATION DEVICES</p>	
<ul style="list-style-type: none">A. Use germ killing solution<ul style="list-style-type: none">1. No alcohol	



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<ul style="list-style-type: none">B. Remove sensitive components<ul style="list-style-type: none">1. Nose cup2. Heads up display (HUD), (if equipped)3. Voice amplification device (VAD)C. Immerse in warm water (120⁰F)D. Scrub with soft spongeE. Rinse thoroughlyF. Wipe dry and hangG. Check exhalation valveH. Re-Install nose cup, HUD, VAD <p>V. REGULATOR ASSEMBLY</p> <ul style="list-style-type: none">A. Sponge off exterior surfaces with cleaner sanitizer solution described aboveB. Rinse with clear warm water<ul style="list-style-type: none">4. Use sponge5. Do NOT immerse regulator in waterC. Dry with clean cloth <p>VI. HARNESS AND CARRIER ASSEMBLY</p> <ul style="list-style-type: none">A. Brush excess dirt offB. Wipe off surface dirt with a damp spongeC. If heavily soiled<ul style="list-style-type: none">1. Work up lather of commercial detergent or mild soap	



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<ul style="list-style-type: none">2. Apply lather (minimal water) with sponge to harness3. Wipe dry with a clean cloth4. Allow to air dry <p>VII. COMPRESSED AIR CYLINDERS</p> <ul style="list-style-type: none">A. Sponge down with a warm water (120°F) cleaning solutionB. Sponge off with clean warm rinse waterC. Wipe dry with a clean cloth <p>VIII. CARRYING CASE</p> <ul style="list-style-type: none">A. Sponge off interior and exterior surfaces with cleaner sanitizer solutionB. Rinse with clear warm waterC. Dry with clean clothD. Leave case open to air dry <ul style="list-style-type: none">5. Will help prevent mildew <p>IX. NOTE ON INSPECTION AND MAINTENANCE LOG WHEN SCBA HAS BEEN CLEANED/SANITIZED</p>	<p>Student Information Sheet #1</p>



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SUMMARY:

In order to assure that germs and disease do not spread among users of self contained breathing apparatus it is important that all components be cleaned and sanitized often and after each use. Even when an SCBA "appears" to be clean ensure that the cleaning procedure includes sanitizing the unit.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).