



**UNC**  
ENVIRONMENT,  
HEALTH & SAFETY

# Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

## Environment Health & Safety Department

### Cleaning and Sanitizing a Full Face Air Purifying Respirator (North 76008A) using “ALLEGRO” Respirator Cleaning Kit.



Title	Work Task	Hazards	Controls
<p><b>Obtain respirator, and prepare it for cleaning by inspecting and disassembling required components according to manufacture instructions.</b></p>	<p>1a. Remove Air-Purifying Elements from connectors.</p> <p>1b. Inspect the head straps and clips for wear. Check all elastomer and rubber parts for pliability and signs of deterioration.</p> <p>1c. For the 7600 Series, unscrew and remove the exhalation valve guard, valve, and seat.</p> <p>1d. Remove the threaded plastic flange which held the exhalation valve seat form the inside of the oral/nasal cup.</p> <p>1e. Remove the oral/nasal cup assembly by pulling it from the mask.</p> <p>1f. Unscrew the nut retaining the speech diaphragm and remove the diaphragm and O-Ring. Inspect the O-Ring for damage, replace if necessary.</p>	<p>1a &amp; 1b. None</p>	<p>1a. Obtain applicable respirator manufacture instructions. (For North 76008A, turn to page 11).</p> <p>Review respirator manufacture instructions for clarification on steps to disassemble respirator. Get help if necessary.</p>

	<p>1e. Remove the speech diaphragm housing and O-Ring from the facepiece by unscrewing the nut on the outside. Inspect the O-Ring for damage, replace if necessary.</p> <p>1f. Remove the inhalation connectors and their grommets from the facepiece. Inspect the grommets for damage, replace if necessary.</p>		
<b>Work Task</b>		<b>Hazards</b>	<b>Controls</b>
<p><b>Preparing a solution of cleaner/sanitizer according to the cleaning kit instructions.</b></p>	<p><b>Wash Respirator:</b></p> <p>2a. Obtain ALLEGRO Respirator Cleaning Kit.</p> <p>2b. Fill cleaning bucket tubs with clean, warm water. Add 1 packet of fast-dissolving cleaner per gallon in one of the tubs.</p> <p>2c. Immerse respirator facepiece and wash.</p> <p>2d. Rinse</p> <p><b>Note: Gentle scrubbing is suggested. A puff of air into recessed facemask areas aids in removing collected water.</b></p> <p><b>Dry Respirator:</b></p> <p>2f. Allow respirator to air dry.</p> <p><b>Store Respirator:</b></p> <p>2g. Place assembled respirator in a storage bag.</p>	<p>2a-2g. Splashing cleaning solution in eyes during cleaning.</p> <p>Irritating to the skin- Skin irritation if you get dry disinfectant on hands and skin.</p>	<p>2a. Pay attention to work when cleaning. Do not splatter respirator in solution.</p> <p>2b. Personal Protective Equipment: Wear chemical splash goggles and disposable gloves (latex or nitrile) if necessary.</p> <p>2c. Chemical splash goggles are available in the cleaning kit.</p> <p>2d. Do not handle dry chemical packets with wet hands.</p>

<b>Training</b>	Respirator Training (Online Course # 6210). Pre-Work Safety Brief on this JSA and other safety precautions.	MSDS for A-33 Dry Powdered Cleaner/Disinfectant is attached to this JSA.
<b>Created</b>	JSA Created by: Daniel R. Gilleski	
<b>Referenced Material</b>	29 CFR 1910.134, OSHA General Industry Respiratory Standard, UNC-CH - Environment, Health, and Safety Manual, Chapter 4- Respiratory Protection Program MSDS for A-33 dry disinfectant	
<b>Contact Info</b>	For more information about this JSA and other JSAs, contact: <i>Department of Environment, Health and Safety</i> UNC-CH, 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507 <a href="http://ehs.unc.edu">http://ehs.unc.edu</a>	