



**United States Air Force
Workplace Occupational and Environmental
Health Risk Controls**

Reference: AFI 48-145 and AFI 91-501

R-11

Date of Report: 14 Mar 2013

Installation: Keesler AFB, MS (AETC)

Workplace: 310A STRUCTURAL MAINTENANCE (403 MAINTENANCE SQ FFXKW0)

Process: 310A-01 AIRCRAFT SHEET METAL PATCHING

Administrative Controls

Health Risk Control

Rest Breaks

Assessment/Comments

PERSONNEL TAKE FREQUENT REST BREAKS AND HYDRATE OFTEN DURING THE 101 CRITICAL DAYS OF SUMMER.

PPE Controls

Health Risk Control

Barrier Gloves

Assessment/Comments

Breakthrough time: - 480 minutes
PPE-gloves- Ansell barrier gloves 2.5 mil may only be worn under neoprene gloves to increase dexterity.

E.A.R. Classic Earplug

NRR of 27 dB. Will not be effective without proper hygiene, insertion, and wear.

Leightning L3 Earmuffs

NRR of 30 dB. Replace if cracked, broken, or otherwise unserviceable. Must have a tight seal between the cushion and the head.

Neoprene Gloves

Breakthrough time: - 480 minutes. Needs to be replaced if torn, cut, punctured or otherwise damaged.

Process: 310A-02 BEAD BLASTING (GLOVE BOX) AIRCRAFT PARTS

Respiratory Controls

Health Risk Control

Half Mask Respirator

Assessment/Comments

This respirator does not supply oxygen.
Do not use when concentrations of contaminants are immediately dangerous to life or health, when concentrations are unknown, or in atmospheres containing less than 19.5% oxygen.
Do not abuse or misuse any respirator.
Do not use tight-fitting respirators with beards or other facial hair or conditions that prevent direct contact between the face and the edge of the respirator.
Do not use when concentrations exceed 10 times the Permissible Exposure Limit.

Administrative Controls

Health Risk Control

Cadmium Training

Assessment/Comments

ADMIN-TRAINING-OHSA EXP STD-CADMIUM-PERSONNEL RECEIVED OHSA EXPANDED STANDARDS TRAINING AS PER 29 CFR 1910.1027

Chromium VI Training

ADMIN-TRAINING-OHSA EXP STD-CHROMIUM (VI)-PERSONNEL RECEIVED OHSA EXPANDED STANDARDS TRAINING AS PER 29 CFR 1910.1026

Lead Training

ADMIN-TRAINING-OHSA EXP STD-LEAD-PERSONNEL RECEIVED OHSA EXPANDED STANDARDS TRAINING AS PER 29 CFR 1910.1025

Rest Breaks

Personnel will take breaks during the 101 Days of Summer.

Engineering Controls

Health Risk Control

Process Isolation

Assessment/Comments

310A-05 Large Paint booth is currently inoperable as of Jan 2008

THIS ACTIVITY IS CONDUCTED IN A FULLY ENCLOSED BEAD BLASTING GLOVE BOX WITH AN INTERNAL VENTILATION SYSTEM.

310A-02 Glove box does not fully contain hazards and is in need of maintance to fully contain hazards.

Regulated area: Personnel must sign in and out.

Regulated Area

PPE Controls

Health Risk Control

E.A.R. Classic Earplugs

Assessment/Comments

NRR of 27 dB. Will not be effective without proper hygiene, insertion, and wear.

Glove Box Work Gloves

Replace if torn, cut, punctured or otherwise damaged. Do not use for chemical protection.

Leightning L3 Earmuffs

NRR of 30 dB. Replace if cracked, broken, or otherwise unserviceable. Must have a tight seal between the cushion and the head.

Moldex Earplugs

NRR of 18 dB. Will not be effective without proper hygiene, insertion, and wear.

Tyvek Coveralls

Needs to be replaced each time taken off or if torn, cut, punctured, or otherwise damaged. Should not be used for chemical protection.

Process: 310A-03 BRUSH AND/ OR ROLL PRIMER ONTO AIRCRAFT

Respiratory Controls

Health Risk Control

Assessment/Comments