ChemLogic Dosimeter Badge Systems Instructions

The DOD Technologies, Inc ChemLogic Dosimeter badges are designed to monitor for exposure to phosgene.

The ChemLogic Dosimeter badge is a direct reading, colorimetric badge that gives the user rapid indication of exposure to phosgene. Removing the protective cover activates the indicator window of the badge. The badge is then clipped to a lapel or secured close to the breathing zone. In the presence of phosgene, a distinct stain develops in the indicator and the control window (dependent on the exposure concentration).

The ChemLogic dosimeter badge is available in 3 configurations. The 3 day badge, the 3 day badge with a control window and a 6-day badge. The control window version provides a more accurate reading as this window is not affected by dirt, light, etc.

On all three models of badges, the lower indicator window acts as an immediate indicator of an exposure to the target gas.

The reference window “R” acts as “zero’ reference or unexposed window.

Report any color change in lower indicator window (upper & lower in 6 day badge) immediately to a supervisor.

3 Day Badge with Control Window
Remove the cover labeled “Remove to activate analysis day 1 to 3” at the perforation from the lower window of the badge. DO NOT REMOVE CONTROL WINDOW COVER UNTIL THE EXPOSURE IS TO READ. The badge is now usable for 3 days.

3 Day Badge
Remove the cover labeled “Remove to activate analysis day 1 to 3” at the perforation from the lower window of the badge. The badge is now useable for 3 days.

6 Day Badge
Remove the cover labeled “Remove to activate analysis day 1 to 3” at the perforation from the lower window of the badge. The badge is now useable for 3 days. Once the badge has been used for 3 days, remove the cover labeled “Remove to activate analysis day 4 to 6” on the upper window of the badge. The badge is now usable for an additional 3 days.
Measuring Exposure
If color change occurs in the indicator window, the exposure can be measured using the correct dose estimator. The correct estimators are listed below:

The 3 Day Badge with Control Window uses part number 1-200-201 dose estimator

The 3 Day Badge and 6 Day Badge use part number 1-200-211 dose estimator

All three styles of badges use part number 1-200-221 for Chloroformates

Reading the Badge
Remove the cover over the control window. Hold the badge behind the dose estimator so that the control window is viewed by the opening marked “control window” and the lower window on the badge is viewed by the window labeled indicator window.

If the badge does not have a control window, hold the badge behind the dose estimator so that the indicator window is viewed.

Move the badge to the closest matching colors and read the concentrations. The reading can be taken from the indicator window or the control window if you are using a badge with a control window.

DO NOT USE BADGES THAT HAVE EXPIRED. INDIVIDUAL BADGES ARE MARKED WITH EXPIRATION DATES.

DO NOT USE BADGES FOR LONGER THAN THE 3 OR 6 DAY LENGTH AS INDICATED

DO NOT USE BADGES THAT HAVE BEEN PHYSICALLY DAMAGED

For service, support and questions on this product contact DOD Technologies, Inc at:

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