



MIT Environment, Health, & Safety Office

Evaluation of Respiratory Exposure Hazards

IMPORTANT: Please fill out this questionnaire on your own or with the help of your supervisor/PI *BEFORE* you report to the EHS Office for your fit test (bring the completed questionnaire with you). Failure to do so may result in the EHS Office declining to provide you with a fit test.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL NANCY DOHERTY AT 3-9392 OR TIM BEAULIEU AT 4-0113. YOU CAN ALSO EMAIL QUESTIONS TO respirators@mit.edu.

Your Name:

Date:

Telephone Extension & Email:

Bldg./Room:

Supervisor/Principal Investigator (PI)
(may complete this form, if appropriate):

Who completed this form?

You

Supervisor/PI

The purpose of this evaluation is to characterize the respiratory hazards associated with the use or handling of hazardous chemicals and materials in your work task(s).

OSHA and other organizations have published criteria which MIT uses to establish requirements relative to the use of respiratory protective equipment.

In order to initially evaluate the respiratory exposure hazards, please provide the following information:

1. What are the potentially hazardous chemical(s) or substance(s) which have prompted the request for respiratory protection or an evaluation?

2. Describe in detail the processes or operations in which the chemical or material is or will be used. Include information about the chemical and physical state(s) of substances used, the amount of each chemical used, and the physical conditions under which the chemicals are used (e.g., temperature, pressure).

3. How often is the process performed?

4. Describe any other factors which you think may increase hazards from working with the chemical or material such as grinding, machining, evaporation, etc.

5. Describe the work environment and working conditions:

5.1. Approximate dimensions of the work area:

5.2. Any general or local exhaust in the area (if so, describe):

5.3. Is the work space in an unusual configuration?

5.4. Are any other staff or students involved in or in close proximity to the process?

5.5. Any other conditions that you consider important:

6. Describe the level of work activity and any possible physical stresses on the respirator user.

7. What other personal protective equipment (PPE) may be required?

You are done with your portion of this questionnaire. The EHS Office will complete the rest at the time of your Fit Test. You MUST bring this form with your portion completed to the EHS Office when you have your fit test. If you don't have this form completed at the time of your fit test, the EHS Office will ask you to reschedule your fit test when you've completed your portion.

STOP! This portion of the questionnaire is for EHS Office use only.

IHP Representative Name:_____

Date:_____

8. Describe reasonably foreseeable emergency situations, given the description of chemical use in the process. Would this type of situation likely require a greater degree of respiratory protection?

9. Has personal exposure monitoring or area sampling been conducted by IHP to characterize this exposure? (check the air sampling cross-reference file) Describe the outcome of the monitoring.

10. Has personal exposure monitoring or area sampling been conducted by IHP during similar operations at other MIT locations? (check the air sampling cross-reference file)

11. Can real-time monitoring be conducted during the process/operation to provide an estimate of exposure risk?

12. Recommendation for RPE, including cartridge specification, end of life indication, facepiece specification, and warning properties.