

# 2025 CHP Template Updates

CHP template and this document can be found here



<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>

## Summary of changes

- Rename MIT Medical to MIT Health (Sections: Reproductive toxins, Chemical contamination, Skin contact, Recordkeeping)
- *Major* update language for Medical evaluation, Examination, Surveillance and First aid kits
- Change Airgas to Linde (Sections: Lab waste stream, Gas cylinders)
- Update SOP links (Sections: Peroxide formers, Pyrophorics, Purchase, Hazardous waste )
- Remove expired reference link (ACGIH TLVs)

---

## P. 18 Part II

### 2.7.2. Reproductive and Developmental Toxins

#### New Wording

An alternative response for exposure to a particular hazard may be indicated in its written SOP only after consultation with EHS and MIT **Health**.

#### Old Wording

An alternative response for exposure to a particular hazard may be indicated in its written SOP only after consultation with EHS and MIT **Medical**.

---

## P. 26 Part II

### A. Chemical Contamination

#### New Wording

Researchers who are pregnant or intending to become pregnant should arrange for a confidential consultation with MIT **Health**.

#### Old Wording

Researchers who are pregnant or intending to become pregnant should arrange for a confidential consultation with MIT **Medical**.

# 2025 CHP Template Updates

CHP template and this document can be found here



<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>

## P. 31 Part II

### 3.2.9. Take additional precautions for handling highly reactive or peroxide forming substances

#### New Wording

- ❑ If crystals are visibly present on the container or lid, or if the container is open but has not been tested, DO NOT OPEN, DO NOT TOUCH. Contact the EHS Office to arrange for disposal.  
In the event your lab has any peroxidizable chemicals in inventory please refer to the EHS SOP **#EHS-0042 Peroxide Forming Chemicals** for proper management, storage and testing requirements for use and prior to disposal. If peroxides have formed over 20ppm a stabilization permit is required prior to shipment and final disposal, which the lab will be asked to pay for by EHS. Contact EHS with questions and concerns. The SOP can be found on the EHS web site at <https://ehs.mit.edu/sops> (certificate login is required).

#### Old Wording

- ❑ If crystals are visibly present on the container or lid, or if the container is open but has not been tested, DO NOT OPEN, DO NOT TOUCH. Contact the EHS Office to arrange for disposal.  
In the event your lab has any peroxidizable chemicals in inventory please refer to the EHS SOP (#0042) for proper management, storage and testing requirements for use and prior to disposal. If peroxides have formed over 20ppm a stabilization permit is required prior to shipment and final disposal, which the lab will be asked to pay for by EHS. Contact EHS with questions and concerns. The SOP can be found on the EHS web site <https://ehs.mit.edu/sops/> (certificate login is required).
- ~~Error! Hyperlink reference not valid.~~

## P. 33 Part II

### 3.3.5. Take action to prevent skin contact

#### New Wording

An alternative response for an exposure may be indicated in a written SOP only after consultation with EHS and MIT **Health**.

#### Old Wording

An alternative response for an exposure may be indicated in a written SOP only after consultation with EHS and MIT **Medical**.

# 2025 CHP Template Updates

CHP template and this document can be found here



<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>

## P. 35 Part II

### 3.3.5. Special Precautions for Work with Hydrofluoric Acid

#### New Wording

An alternative response for an exposure may be indicated in a written SOP only after consultation with EHS and MIT **Health**.

#### Old Wording

An alternative response for an exposure may be indicated in a written SOP only after consultation with EHS and MIT **Medical**.

-----

## P. 37 Part II

### 3.9. Special Precautions for Work with Pyrophoric and Water-Reactive Materials

#### New Wording

Details on specific requirements for labs with pyrophoric materials can be found in the **EHS SOP #EHS-0043 Pyrophorics** at <https://ehs.mit.edu/sops> (certificate login is required).

#### Old Wording

Details on specific requirements for labs with pyrophoric materials can be found in the MIT EHS Pyrophorics SOP at [https://ehs.mit.edu/site/system/files/secure/sop\\_004\\_3.pdf](https://ehs.mit.edu/site/system/files/secure/sop_004_3.pdf)

-----

## P. 46 Part II

### 8.3.4 SPECIAL PROCEDURES REQUIRED for Lab Waste Stream

#### New Wording

As outlined in Part IV. Section **2.5**, small non-returnable gas cylinders originally purchased from MIT's preferred vendor **Linde Gas & Equipment Inc.**, can be returned to the vendor.

#### Old Wording

As outlined in Part IV. Section **2.4**, small non-returnable gas cylinders originally purchased from MIT's preferred vendor **Airgas**, can be returned to the vendor.

# 2025 CHP Template Updates

CHP template and this document can be found here



<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>

## P. 48 Part II

### 10. 2 Appendix II-B ACGIH Threshold Limit Values (TLVs)

#### New Wording

Most SDSs also provide TLVs for individual chemicals. American Conference of Governmental Industrial Hygienists (ACGIH) TLVs can also be looked up **in the TLVs and BEIs book** available at the EHS Office (N52-496) or can be purchased at <https://www.acgih.org/>

#### Old Wording

Most SDSs also provide TLVs for individual chemicals. American Conference of Governmental Industrial Hygienists (ACGIH) TLVs can also be looked ~~up on the National Library of Medicine Toxnet web site at <http://toxnet.nlm.nih.gov/>, (then search the Hazardous Substance Data Bank by individual chemical). A complete list of all ACGIH TLVs is~~ available at the EHS Office (N52-496) or can be purchased at <https://www.acgih.org/>

## P. 60 Part IV

### New Wording

#### 2.4. Purchase of Large Chemical Quantities

- ❑ Refer to the EHS **SOP #EHS-0081 Permitting and Licensing for Hazardous Material Use, Storage, and Processing** when applicable. EHS Office SOPs are available at <https://ehs.mit.edu/sops/> (certificate login is required).
- ❑ Refer to the EHS **SOP #EHS-0032 Hazardous Waste Management SOP** when applicable. EHS Office SOPs are available at <http://web.mit.edu/environment/ehs/topic/sops.html> ~~<https://ehs.mit.edu/sops>~~ (certificate login is required). **Error! Hyperlink reference not valid.**

#### 2.5 Purchase of Non-Returnable Gas Cylinders

“Lecture bottles” are often considered non-returnable by the vendor. However, MIT has an agreement with their preferred gas vendor, **Linde Gas & Equipment Inc.**, to take back non-returnable gas cylinders, including “lecture bottles” that were purchased through them, granted the contents are readable. Contact **Linde Gas** on-campus team directly at **401-533-2851** for more information.

# 2025 CHP Template Updates

CHP template and this document can be found here

<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>



## Old Wording

### 2.4. Purchase of Large Chemical Quantities

- ❑ Refer to the EHS Office *Flammable Liquids SOP* (EHS-0032) when applicable. EHS Office SOPs are available at <https://ehs.mit.edu/sops> (certificate login is required).
- ❑ Refer to the EHS Office *Hazardous Waste Management SOP* (EHS-0032) when applicable. EHS Office SOPs are available at <https://ehs.mit.edu/sops> (certificate login is required).

### 2.5 Purchase of Non-Returnable Gas Cylinders

“Lecture bottles” are often considered non-returnable by the vendor. However, MIT has an agreement with their preferred chemical vendor, **Airgas**, to take back non-returnable gas cylinders, including “lecture bottles” that were purchased through them. Contact **Airgas Gas** on-campus directly at 617-253-4761 (3-4761 from an MIT telephone) for more information.

## P. 60 Part IV

### 3. MEDICAL EVALUATION, EXAMINATION, SURVEILLANCE and FIRST AID KITS

#### New Wording

#### 3.1. Medical Evaluation

##### Clinician’s Written Opinion

All patient medical information is protected by law and is considered strictly confidential. A patient, however, is entitled to view his/her **medical record**.

#### 3.2. Medical Surveillance

A medical surveillance program uses validated **methods** to monitor the health of individuals whose work causes them to have unacceptably high levels of exposure to a potentially hazardous agent. The goal is to detect early signs of **injury** or disease in individual workers, as well as to find trends in the **potentially exposed** population that can be addressed with improved preventative measures. **Validated methods for medical surveillance are not available for all chemicals.**

**Employees and students may be candidates for medical surveillance under the following conditions:**

- ❑ Situations where administrative controls, engineering controls, or PPE cannot prevent **exposure from** exceeding its occupational exposure limit or action level;
- ❑ Situations where there has been a known **incident potentially** resulting in an exposure above an occupational exposure limit or action level, as determined by an evaluation by EHS in collaboration with MIT Medical’s Occupational Health Service

# 2025 CHP Template Updates

CHP template and this document can be found here



<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>

- and the employee(s) exposed; such an evaluation occurs whenever a supervisor or employee report of such an incident is filed; and
- ❑ Situations where **a hazard** is intrinsic to an ongoing (more than a year) research program (e.g., cadmium in quantum dot research or research requiring registered class 3b or 4 **lasers**)

If an employee or student meets any of these criteria, the faculty supervisor should consult with EHS and Occupational Health to determine if medical surveillance is available and appropriate. If a determination is made that both of these criteria are met, it is the responsibility of the supervisor or P.I. to inform their employee or student that **they medical surveillance is available to them at MIT Health, Occupational Health Services.** EHS may also identify students and employees who **meet these** criteria and inform them of enrollment. Students and employees not otherwise identified who believe they **may** meet one of the above criteria for surveillance should **notify their PI or supervisor and their EHS Coordinator.**

## Medical Surveillance Administration

EHS will track everyone who is enrolled in a medical surveillance program. Medical evaluations for those enrolled in medical surveillance will be provided by Occupational Health at MIT Health.

Additional information may be obtained from the **DLCI** EHS Coordinator, the EHS Office or Occupational Health.

### 3.3. Researchers with Medical Conditions

Supervisors who have concerns regarding an individual's **ability to perform their job duties, due to a possible health condition** should contact the appropriate Disabilities Services Office. It is MIT's policy to make every effort to provide reasonable accommodations necessary for researchers to carry out their work.

### 3.4 First Aid Kits and Specific Hazard First Aid

If your Department, Lab, **Center and Institute (DLCI)** chooses to have first aid kits in labs ...

## Old Wording

### 3.3. Medical Evaluation Clinician's Written Opinion

All patient medical information is protected by law and is considered strictly confidential. A patient, however, is entitled to view his/her medical record. **When a work-related exposure has occurred that results in medical examination and/or treatment, the Medical Department will notify the supervisor of the incident, along with any recommended restrictions on work activity.**

# 2025 CHP Template Updates

CHP template and this document can be found here

<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>



## 3.4. Medical Surveillance

A medical surveillance program uses validated methodologies, if such exist, to monitor the health of individuals whose work causes them to have unacceptably high levels of exposure to a potentially hazardous agent. The goal is to detect early signs of exposure or disease in individual workers, as well as to find trends in the worker population that can be addressed with improved preventative measures.

### ~~Enrollment into Medical Surveillance~~

~~Employees, fellows and students working with chronic health hazards, or with chemicals or materials with known toxicity, may request and receive, consistent with OSHA, other applicable standards, or following a workplace safety evaluation from EHS, appropriate regular medical surveillance provided by MIT at no extra cost to the individual. This includes but is not limited to:~~

- ☐ Situations where administrative controls, engineering controls, or PPE cannot prevent exposure to a surveillable hazard from exceeding its occupational exposure limit or action level;
- ☐ Situations where there has been a known incident with a surveillable hazard potentially resulting in an exposure above an occupational exposure limit or action level, as determined by an evaluation by EHS in collaboration with MIT Medical's Occupational Health Service and the employee(s) exposed; such an evaluation occurs whenever a supervisor or employee report of such an incident is filed; and
- ☐ Situations where a surveillable hazard is intrinsic to an ongoing (more than a year) research program (e.g., cadmium in quantum dot research or research requiring registered class 3b or 4 lasers); ~~the medical surveillance program will be determined at the onset of the research program after discussion between the principal investigator, EHS, and MIT Medical's Occupational Health Service, and will be described in the appropriate lab's safety documentation.~~

It is the responsibility of the supervisor or P.I. to inform students and employees that they meet one of the above criteria and to provide their names, work addresses, and MIT Identification Numbers to the EHS Office. EHS may also identify students and employees who meet one of these criteria and inform them of enrollment. Students and employees not otherwise identified who believe they meet one of the above criteria for surveillance should contact their DLC EHS Coordinator to discuss.

### Medical Surveillance Administration

EHS will track everyone who is enrolled in a medical surveillance program. Medical evaluations for those enrolled in medical surveillance will be provided by Occupational Health at MIT Health.

Additional information may be obtained from the DLC EHS Coordinator, the EHS Office or Occupational Health.

# 2025 CHP Template Updates

CHP template and this document can be found here

<https://ehs.mit.edu/chemical-safety-program/chemical-hygiene/>



## 3.3. Researchers with Medical Conditions

Supervisors who have concerns regarding an individual's accommodation requests should contact the appropriate Disabilities Services Office. It is MIT's policy to make every effort to provide reasonable accommodations necessary for researchers to carry out their work.

## 3.4 First Aid Kits and Specific Hazard First Aid

If your Department, Lab or Center (DLC) chooses to have first aid kits in labs ...

-----

## P. 63 Part IV

### 5.2. Recordkeeping - Medical Consultation and Examination

#### New Wording

Results of medical consultations and examinations will be kept by the MIT Health for a length of time specified by the appropriate medical records standard.

#### Old Wording

Results of medical consultations and examinations will be kept by the MIT Medical Department for a length of time specified by the appropriate medical records standard.