

Appendix A: Methylene Chloride Exposure Control Plan

Revision Date:

Tip: To use this document, click **File > Make a Copy** and save to your Drive.

In compliance with the U-M Methylene Chloride Workplace Chemical Protection Program (WCPP), all units conducting operations involving methylene chloride, or any mixture containing methylene chloride at or above 0.1% concentration, must complete an operation-specific Exposure Control Plan.

Supervisors, or a competent representative: complete each section of this form to detail specific efforts to comply with the requirements defined in the WCPP. Send the completed form to your EHS Research Safety representative or to EHS-Labsafety@umich.edu and maintain a copy for your records.

Lab Director/PI Name:	
Operation: Enter name or title of operation	

Location(s) of operation

Building:	
Room number(s):	
Specify sub-location within room (hood, bench, workspace, etc.):	
Volume of methylene chloride used in this operation:	
Concentration:	

Provide a detailed description of operation. Explain why elimination or substitution of methylene chloride from this operation is not feasible, not effective, or otherwise not implemented:



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Describe engineering controls implemented to reduce exposures. Engineering controls protect workers by removing hazardous conditions or by placing a barrier between the worker and the hazard. Engineering controls may include ventilation devices (fume hoods, local exhaust ventilation), containment devices (glove boxes), and vapor control devices (cold trap):

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Describe administrative or work practice controls implemented to reduce exposures. This may include work process training, posting of signage and demarcation of hazardous areas, ensuring adequate rest breaks, or limiting access to areas where methylene chloride exposure may be possible.

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Describe personal protective equipment required for this operation. Refer to the U-M WCPP for guidance on selecting appropriate PPE:

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Describe additional operation specific training required for potentially exposed persons:

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List any Regulated Areas in your lab space and how they are demarcated. A Regulated Area is any area where airborne concentrations exceed, or there is a reasonable possibility they may exceed, the exposure limits. Enter “N/A or “Not Applicable” if this does not apply.

Plan Review and Updates

Supervisors, or a competent representative: Review and update the exposure control plan as necessary, and at least every 5 years, to ensure effectiveness of the exposure controls, identify any necessary updates to the exposure controls, and confirm that all persons are properly implementing the exposure controls. Updates should reflect any significant changes in the status of the approach to compliance with the exposure control requirements. Any change that may reasonably be expected to introduce additional sources of exposure to methylene chloride, or otherwise result in increased exposure to methylene chloride must be documented.

Upon instituting any changes to this form, the revised copy must be submitted to

EHS-Labsafety@umich.edu.

<i>Methylene Chloride Exposure Control Plan</i>		
Reviewer	Date of Review	Summary of Revisions



Certification

I have read and understand the above SOP. I have received approval from my Lab Director to perform this procedure. I agree to contact my Lab Director if I plan to modify this procedure.

Name	Signature	UMID #	Date

Laboratory Director

Revision Date