

**OH Part 302. Vinyl Chloride
Compared With
29 C.F.R. 1910.1017 Vinyl Chloride**

Summary: The significant differences between OH Part 302. Vinyl Chloride and 29 C.F.R. 1910.1017 Vinyl Chloride are in:

- Exposure monitoring
- Regulated area
- Methods of compliance
- Medical surveillance
- Reports

The below comparison show only those provisions where MIOSHA rules are different than OSHA or where MIOSHA rules are not included in 29 C.F.R.

****means there is a comparable OSHA rule to this paragraph

MIOSHA	OSHA
<p>R 325.51404 Monitoring Rule 4. (1) to (2) ****</p> <p>(2)(a) Shall be repeated at least monthly if an employee is exposed, without regard to the use of respirators, in excess of the permissible exposure limit.</p> <p>(2)(b) Shall be repeated not less than quarterly if an employee is exposed, without regard to the use of respirators, in excess of the action level.</p> <p>(2)(c) to (5)****</p>	<p>Equivalent</p> <p>1910.1017 Vinyl chloride 1910.1017(d) Monitoring. 1910.1017(d)(2)(i) Must be repeated at least quarterly for any employee exposed, without regard to the use of respirators, in excess of the permissible exposure limit. 1910.1017(d)(2)(ii) Must be repeated not less than every 6 months for any employee exposed without regard to the use of respirators, at or above the action level.</p> <p>Equivalent</p>
<p>R 325.51406 Methods of compliance Rule 6. (1)(a) to (1)(b)****</p> <p>(1)(c).....The plans shall be updated at least every six months.</p>	<p>Equivalent</p> <p>1910.1017 Vinyl chloride 1910.1017(f) Methods of compliance. 1910.1017(f)(3) Such plans must be updated at least annually.</p>
<p>R 325.51407 Respiratory protection. Rule 7. (1) to (2)****</p>	<p>Equivalent</p>

MIOSHA	OSHA														
<p>(3) An employer shall select respirators from the following table:</p> <table border="1" data-bbox="94 275 764 1801"> <thead> <tr> <th data-bbox="94 275 305 390">Atmospheric concentration of vinyl chloride</th> <th data-bbox="305 275 764 390">Required apparatus</th> </tr> </thead> <tbody> <tr> <td data-bbox="94 390 305 527">(a) Unknown, or above 3,600 parts per million (ppm)</td> <td data-bbox="305 390 764 527">Open -circuit, self-contained breathing apparatus, pressure demand type, with full facepiece.</td> </tr> <tr> <td data-bbox="94 527 305 720">(b) Not over 3,600 ppm</td> <td data-bbox="305 527 764 720">(i) Combination type C supplied-air respirator, pressure demand type, with full or half facepiece and auxiliary self-contained air supply; or</td> </tr> <tr> <td data-bbox="94 720 305 913">(c) Not over 1,000 ppm</td> <td data-bbox="305 720 764 913">(i) Combination type, supplied-air respirator continuous flow type, with full or half facepiece and auxiliary self-contained air supply. Type C, supplied-air respirator, continuous flow type, with full or half facepiece, helmet, or hood.</td> </tr> <tr> <td data-bbox="94 913 305 1163">(d) Not over 100 ppm</td> <td data-bbox="305 913 764 1163">(i) Combination type C supplied-air respirator, demand type, with full facepiece and auxiliary self-contained air supply; or (ii) Open-circuit self-contained breathing apparatus with full facepiece, in demand mode; or Type C supplied-air respirator, demand type, with full facepiece.</td> </tr> <tr> <td data-bbox="94 1163 305 1467">(e) Not over 25 ppm</td> <td data-bbox="305 1163 764 1467">(i) A powered air-purifying respirator with hood, helmet, full or half facepiece, and a canister that provides a service life of not less than 4 hours for concentrations of vinyl chloride up to 25 ppm; or (ii) A gas mask, front- or back-mounted canister that provides a service life of not less than 4 hours for concentrations of vinyl chloride up to 25 ppm.</td> </tr> <tr> <td data-bbox="94 1467 305 1801">(f) Not over 10 ppm</td> <td data-bbox="305 1467 764 1801">(i) Combination type C supplied-air respirator, demand type, with half facepiece and auxiliary self-contained air supply; or (ii) Type C supplied-air respirator, demand type, with half facepiece; or (iii) Any chemical cartridge respirator with an organic vapor cartridge that provides a service life of at least 1 hour for concentrations of vinyl chloride up to 10 ppm.</td> </tr> </tbody> </table> <p data-bbox="151 1801 711 1856">Note: Respirators specified for higher concentrations may be used for lower concentrations.</p>	Atmospheric concentration of vinyl chloride	Required apparatus	(a) Unknown, or above 3,600 parts per million (ppm)	Open -circuit, self-contained breathing apparatus, pressure demand type, with full facepiece.	(b) Not over 3,600 ppm	(i) Combination type C supplied-air respirator, pressure demand type, with full or half facepiece and auxiliary self-contained air supply; or	(c) Not over 1,000 ppm	(i) Combination type, supplied-air respirator continuous flow type, with full or half facepiece and auxiliary self-contained air supply. Type C, supplied-air respirator, continuous flow type, with full or half facepiece, helmet, or hood.	(d) Not over 100 ppm	(i) Combination type C supplied-air respirator, demand type, with full facepiece and auxiliary self-contained air supply; or (ii) Open-circuit self-contained breathing apparatus with full facepiece, in demand mode; or Type C supplied-air respirator, demand type, with full facepiece.	(e) Not over 25 ppm	(i) A powered air-purifying respirator with hood, helmet, full or half facepiece, and a canister that provides a service life of not less than 4 hours for concentrations of vinyl chloride up to 25 ppm; or (ii) A gas mask, front- or back-mounted canister that provides a service life of not less than 4 hours for concentrations of vinyl chloride up to 25 ppm.	(f) Not over 10 ppm	(i) Combination type C supplied-air respirator, demand type, with half facepiece and auxiliary self-contained air supply; or (ii) Type C supplied-air respirator, demand type, with half facepiece; or (iii) Any chemical cartridge respirator with an organic vapor cartridge that provides a service life of at least 1 hour for concentrations of vinyl chloride up to 10 ppm.	<p>No comparable OSHA provisions.</p>
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<p>R 325.51411 Medical surveillance. Rule 11. (1) to (3)****</p> <p>(3)(a) Every 6 months for each employee who has been employed in vinyl chloride or polyvinyl chloride manufacturing for 10 years or longer. (b) Annually for all other employees.</p> <p>(4) to (6)****</p> <p>(7) An employer shall ensure that laboratory analyses for all biological specimens included in medical examinations be performed in laboratories licensed under 42 C.F.R. Part 74.</p> <p>(8)****</p>	<p>Equivalent</p> <p>1910.1017 Vinyl chloride 1910.1017(k) Medical surveillance. 1910.1017(k)(2) Examinations must be provided in accordance with this paragraph at least annually.</p> <p>Equivalent</p> <p>1910.1017 Vinyl chloride 1910.1017(k) Medical surveillance. 1910.1017(k)(6) Laboratory analyses for all biological specimens included in medical examination shall be performed by accredited laboratories.</p> <p>Equivalent</p>
<p>R 325.51413 Records. Rule 13. (1) to (6)****</p> <p>(7) An employer shall provide access to an employee or the employee's designated representative to examine and copy records of required monitoring and measuring.</p> <p>(8) An employer shall provide a former employee access to examine and copy required monitoring and measuring records reflecting the former employee's own exposures.</p> <p>(9) Upon written request of an employee, an employer shall furnish a copy of the medical record of the employee to a physician designated by the employee.</p>	<p>Equivalent</p> <p>No comparable OSHA provisions.</p>
<p>R 325.51414 Reports. Rule 14. (1) Not later than 1 month after the establishment of a regulated area, an employer shall report the following information to the Michigan department of consumer and industry services:</p> <p>(a) The address and location of each establishment that has 1 or more regulated areas. (b) The number of employees in each regulated area during normal operations, including maintenance. An employer shall report any changes to the information within 15 days.</p> <p>(2) An employer shall report emergencies, and the facts obtainable at the time of the emergency, to the Michigan department of consumer and industry services within 24 hours of the emergency. Upon request of the director of the department of consumer and industry services, the employer shall submit additional information, in writing, relevant to the nature and extent of employee exposures and measures taken to prevent future emergencies of similar nature.</p>	<p>No comparable OSHA provisions, except for:</p>

MIOSHA	OSHA
<p>(3) Within 10 working days following any monitoring and measuring which discloses that any employee has been exposed, without regard to the use of respirators, in excess of the permissible exposure limit, an employer shall notify each exposed employee, in writing, of the results of the exposure measurement and the steps being taken to reduce the exposure to within the permissible exposure limit.</p>	<p>1910.1017 Vinyl chloride 1910.1017(n) Employee notification of monitoring results. 1910.1017(n) Employee notification of notification results. The employer must, within 15 working days after the receipt of the results of any monitoring performed under this section, notify each affected employee of these results and the steps being taken to reduce exposures within the permissible exposure limit either individually in writing or by posting the results in an appropriate location that is accessible to affected employees.</p>

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