

LEAD	CADMIUM	FORMALDEHYDE
<p>The employer shall institute a medical surveillance program for employees who are or may be exposed above the action level for more than 30 days per year.</p> <p>Medical exams and procedures must be performed at a reasonable time and place by or under the supervision of a licensed physician without cost to employees.</p> <p>Blood sampling and analysis for lead and zinc protoporphyrin levels are to be available to employees on the following schedule:</p> <ul style="list-style-type: none"> ✓ At least every 6 months to employees at or above the Action Level ✓ At least every two months for employees whose last sampling indicated a blood lead level ≥ 40 ug/100 g - until two consecutive blood samples indicate a blood lead level < 40 ug/100 g ✓ At least monthly during the removal period for employees with an elevated blood lead level. <p>When a blood lead level test indicates a result that exceeds the criterion for medical removal, a second blood test is required within two weeks after the employer receives the results of the first blood test.</p>	<p>The employer shall institute a medical surveillance program for all employees who are or may be exposed to cadmium at or above the action level unless the employer demonstrates that the employee is not, and will not be, exposed at or above the action level on 30 or more days per year (twelve consecutive months); and, for all employees who prior to the effective date of this section might previously have been exposed to cadmium at or above the action level by the employer, unless the employer demonstrates that the employee did not prior to the effective date of this section work for the employer in jobs with exposure to cadmium for an aggregated total of more than 60 months.</p> <p>To determine an employee's fitness for using a respirator, the employer shall provide the limited medical examination specified</p> <p>The employer shall assure that all</p>	<p>The employer shall make the following medical surveillance available to employees prior to assignment to a job where formaldehyde exposure is at or above the action level or above the STEL and annually thereafter. The employer shall also make the following medical surveillance available promptly upon determining that an employee is experiencing signs and symptoms indicative of possible overexposure to formaldehyde.</p> <ul style="list-style-type: none"> • a medical disease questionnaire designed to elicit information on work history, smoking history, any evidence of eye, nose, or throat irritation; chronic airway problems or hyperreactive airway disease: allergic skin conditions or dermatitis; and upper or lower respiratory problems. • determination by the physician, based on evaluation of the medical disease questionnaire, of whether a medical examination is necessary for employees not

<p>If an employee blood lead level is > 40 ug/100 g , within five working days after the receipt of results, the employer must notify the employee in writing of the employee's blood lead level and that the standard provides Medical Removal Protection and benefits.</p> <p>Medical exams and consultations must be available on the following schedule:</p> <p>At least annually for any employee for whom a blood test conducted at any time during the preceding 12 months indicated a blood lead level ≥ 40 ug/100 g;</p> <p>Prior to assignment for employees assigned for the first time to an area where airborne concentrations of lead are \geq the action level;</p> <p>As soon as possible after notification that the employee has signs/symptoms of lead intoxication, or that the employee desires medical advice on the effects of current or past exposure to lead on the ability to procreate a healthy child, or that the employee has demonstrated difficulty in breathing during a respirator fitting test or during use and as medically appropriate.</p> <p>Medical examinations shall include:</p> <p>A detailed work and medical history, with particular attention to past lead exposure, personal habits (smoking, hygiene), and past gastrointestinal, hematologic, renal, cardiovascular, reproductive and neurological problems;</p> <p>A thorough physical examination, with particular attention to teeth, gums, hematologic, gastrointestinal, renal, cardiovascular, and neurological systems. Pulmonary status should be evaluated if respiratory protection will be used;</p>	<p>medical examinations and procedures required are performed by or under the supervision of a licensed physician, who has read and is familiar with the health effects section of Appendix A of this section, the protocol for sample handling and laboratory selection in Appendix F, and the questionnaire of Appendix D. These examinations and procedures shall be provided without cost to the employee and at a time and place that is reasonable and convenient to employees.</p> <p>"Initial examination." The employer shall provide an initial (preplacement) examination to all employees covered by the medical surveillance program required by this section. The examination shall be provided to those employees within 30 days after initial assignment to a job with exposure to cadmium. The initial (preplacement) medical examination shall include: A detailed medical and work history, with emphasis on: past, present, and anticipated future exposure to cadmium; any history of renal, cardiovascular, respiratory, hematopoietic,</p>	<p>required to wear respirators to reduce exposure to formaldehyde.</p> <ul style="list-style-type: none"> • . Medical examinations for any employee who the physician feels, based on the medical disease questionnaire, may be at increased risk from exposure to formaldehyde and at the time of initial assignment and at least annually thereafter to all employees required to wear a respirator to reduce exposure to formaldehyde. <p>The medical examination shall include:</p> <ul style="list-style-type: none"> ✓ A physical examination with emphasis on evidence of irritation or sensitization of the skin and respiratory system, shortness of breath, or irritation of the eyes. ✓ Baseline and annual pulmonary function tests for respirator wearers . ✓ Any other test which the examining physician deems necessary ✓ Counseling of employees having medical conditions that would be directly or indirectly aggravated by exposure to formaldehyde on the increased risk of impairment of their health.
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<p>A blood pressure measurement;</p> <p>A blood sample and analysis which determines:</p> <p>Blood lead level;</p> <p>Hemoglobin and hematocrit determinations, red cell indices, and examination of peripheral smear morphology;</p> <p>Zinc protoporphyrin;</p> <p>Blood urea nitrogen; and,</p> <p>Serum creatinine;</p> <p>A routine urinalysis with microscopic examination; and</p> <p>Any laboratory or other test the examining physician deems necessary by sound medical practice, and, if requested by an employee, pregnancy testing or laboratory evaluation of male fertility.</p>	<p>reproductive, and/or musculo-skeletal system dysfunction;</p> <p>current usage of medication with potential nephrotoxic side-effects; and smoking history and current status; and</p> <p>Biological monitoring that includes the following tests:</p> <p>Cadmium in urine (CdU), standardized to grams of creatinine (g/Cr);</p> <p>Beta-2 microglobulin in urine (B(2)-M), standardized to grams of creatinine (g/Cr), with pH specified, as described in Appendix F; and</p> <p>Cadmium in blood (CdB),</p> <p>....</p>	
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