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Subpart 223.73 - MINIMIZING THE USE OF MATERIALS CONTAINING HEXAVALENT CHROMIUM

Parent topic: Part 223 - ENVIRONMENT, SUSTAINABLE ACQUISITION, AND MATERIAL SAFETY

223.7300 Definition.

“Legacy system,” as used in this subpart, means any program that has passed Milestone A in the defense acquisition management system, as defined in DoD Instruction 5000.02.

223.7301 Policy.

In accordance with the DoD policy memorandum of April 8, 2009, Minimizing the Use of Hexavalent Chromium, it is DoD policy to minimize hexavalent chromium (an anti-corrosive) in items acquired by DoD (deliverables and construction material), due to the serious human health and environmental risks related to its use.

223.7302 Reserved.

223.7303 Prohibition.

(a) Except as provided in 223.7304 and 223.7305 , no contract may include a specification or standard that results in a deliverable or construction material containing more than 0.1 percent hexavalent chromium by weight in any homogeneous material in the deliverable or construction material where proven substitutes are available that provide acceptable performance for the application.

(b) This prohibition is in addition to any imposed by the Clean Air Act regardless of the place of performance.

223.7304 Exceptions.

The prohibition in 223.7303 does not apply to—

(a) Legacy systems and their related parts, subsystems, and components that already contain hexavalent chromium. However, alternatives to hexavalent chromium shall be considered by the appropriate official during system modifications, follow-on procurements of legacy systems, or

maintenance procedure updates; and

(b) Additional sustainment related contracts (e.g., parts, services) for a system in which use of hexavalent chromium was previously approved.

223.7305 Authorization and approval.

(a) The prohibition in 223.7303 does not apply to critical defense applications if no substitute can meet performance requirements. The DoD policy of April 8, 2009, “Minimizing the Use of Hexavalent Chromium,” contains requirements for weighing hexavalent chromium versus substitutes. DoD Program Managers must consider the following factors—

(1) Cost effectiveness of alternative materials or processes;

(2) Technical feasibility of alternative materials or processes;

(3) Environment, safety, and occupational health risks associated with the use of the hexavalent chromium or substitute materials in each specific application;

(4) Achieving a DoD Manufacturing Readiness Level of at least eight for any qualified alternative;

(5) Materiel availability of hexavalent chromium and the proposed alternatives over the projected life span of the system; and

(6) Corrosion performance difference of alternative materials or processes as determined by agency corrosion subject matter experts.

(b) However, unless an exception in 223.7304 applies, the incorporation of hexavalent chromium in items acquired by DoD shall be specifically authorized at a level no lower than a general or flag officer or a member of the Senior Executive Service from the Program Executive Office or equivalent level, in coordination with the component Corrosion Control and Prevention Executive. Follow the procedures in PGI 223.7305 .

223.7306 Contract clause.

Unless an exception in 223.7304 applies, or use has been authorized in accordance with 223.7305 , use the clause at 252.223-7008 , Prohibition of Hexavalent Chromium, in solicitations and contracts, including solicitations and contracts using FAR part 12 procedures for the acquisition of commercial products and commercial services, that are for supplies, maintenance and repair services, or construction.