
40 C.F.R. § 749.68

Hexavalent chromium-based water treatment chemicals in cooling systems.

- (a) *Chemicals subject to this section.* Hexavalent chromium-based water treatment chemicals that contain hexavalent chromium, usually in the form of sodium dichromate (CAS No. 10588-01-9), are subject to this section. Other examples of hexavalent chromium compounds that can be used to treat water are: Chromic acid (CAS No. 7738-94-5), chromium trioxide (CAS No. 1333-83-0), dichromic acid (CAS No. 13530-68-2), potassium chromate (CAS No. 7789-00-6), potassium dichromate (CAS No. 7778-50-9), sodium chromate (CAS No. 7775-11-3), zinc chromate (CAS No. 13530-65-9), zinc chromate hydroxide (CAS No. 153936-94-6), zinc dichromate (CAS No. 14018-95-2), and zinc potassium chromate (CAS No. 11103-86-9).
- (b) *Purpose.* The purpose of this section is to impose certain requirements on activities involving hexavalent chromium-based water treatment chemicals to prevent unreasonable risks associated with human exposure to air emissions of hexavalent chromium from comfort cooling towers.
- (c) *Applicability.* This section is applicable to use of hexavalent chromium-based water treatment chemicals in comfort cooling towers and to distribution in commerce of hexavalent chromium-based water treatment chemicals for use in cooling systems.
- (d) *Definitions.* Definitions in section 3 of the Toxic Substances Control Act, 15 U.S.C. 2602, apply to this section unless otherwise specified in this paragraph. In addition, the following definitions apply:
- (1) *Act* means the Toxic Substances Control Act, 15 U.S.C. 2601*et seq.*
 - (2) *Chilled water loop* means any closed cooling water system that transfers heat from air handling units or refrigeration equipment to a refrigeration machine, or chiller.
 - (3) *Closed cooling water system* means any configuration of equipment in which heat is transferred by circulating water that is contained within the equipment and not discharged to the air; chilled water loops are included.
 - (4) *Comfort cooling towers* means cooling towers that are dedicated exclusively to and are an integral part of heating, ventilation, and air conditioning or refrigeration systems.

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