



Colorado Department
of Public Health
and Environment

GUIDELINES FOR APPLYING THE SCHOOL PROHIBITED AND RESTRICTED CHEMICALS LISTS

These general guidelines for applying the *Rules and Regulations Governing Schools in the State of Colorado*, 6 CCR 1010-6, are provided by the Colorado Department of Public Health and Environment. Additional information about the rules and regulations may be obtained by calling 303.692.3645 or visiting the Division of Environmental Health & Sustainability's web page – www.cdphe.state.co.us/cp/

WHAT DOES THE REGULATION REQUIRE REGARDING PROHIBITED AND RESTRICTED CHEMICAL LISTS?

The Prohibited and Restricted Chemical Lists in this rule were created in a rulemaking process that mainly looked at the occurrence and use of chemicals in laboratory settings or other circumstances where the chemical compounds were used in formulations as reagents or process chemicals. The rule states:

- 8-104 Prohibited chemicals are those chemicals that pose an inherent, immediate and potentially life threatening risk, injury or impairment due to toxicity or other chemical properties to the students, staff or other occupants of the school. These chemicals are prohibited from use and/or storage at the school and the school is prohibited from purchasing or accepting donations of such chemicals. Prohibited chemicals are listed in Appendix A to this regulation.
- 8-105 Restricted chemicals are those chemicals that are restricted by use, and/or quantities. If restricted chemicals are present at the school, each chemical shall be addressed in the school's written emergency plan as addressed in sections 8-112 and 8-113 of these regulations. Restricted chemicals are listed in Appendix B to this regulation.
- 8-106 Restricted chemicals (demonstration use only) are a subclass in the restricted chemical lists that are limited to instructor demonstration. Students may not participate in the handling or preparation of restricted chemicals as part of a demonstration. If restricted chemicals (demonstration use only) are present at the school, each chemical shall be addressed in the school's written emergency plan as addressed in sections 8-112 and 8-113 of these regulations. Demonstration only chemicals are listed in Appendix B2 to this regulation.

DOES THE PROHIBITED AND RESTRICTED LIST APPLY TO CHEMICALS LISTED AS INGREDIENTS ON A PRODUCT LABEL?

The rulemaking process did not evaluate these chemicals when they occur as an ingredient in a product generally available to the public or were part of solid objects or equipment. Since adoption of the prohibited and restricted chemical lists, questions have been raised concerning the applicability to products where the chemical may occur as an ingredient but is not the sole active ingredient, or may be in low concentrations. The applicability of the lists to the

occurrence of the chemicals in solid objects used for instructional purposes such as rock and mineral specimens and glazes on ceramics has also been questioned.

Products that contain chemicals included in the prohibited or restricted lists that are not in a nearly pure form (or dilutions) are not subject to those lists. However, such products are subject to the regulations in “Chapter 6 – Equipment or Supplies” or other portions of “Chapter 8 - Laboratory, Industrial, Art, and Vocational Hazards” regarding safe management and use.

DOES THE PROHIBITED AND RESTRICTED LIST APPLY TO CHEMICALS THAT ARE INCORPORATED INTO SOLID OBJECTS USED FOR DEMONSTRATION PURPOSES?

The prohibited or restricted chemical lists do not apply where the chemicals are incorporated into solid objects that are used for demonstration or other instructional purposes. These types of instructional supplies are regulated under other provisions of “Chapter 8 - Laboratory, Industrial, Art, and Vocational Hazards.” Some instrument check sources, and mineral and rock specimens may contain uranium, arsenic, or other chemicals on the prohibited or restricted lists. Such solid materials should be used under controlled conditions and following appropriate procedures regarding safe handling and controlled storage.

Other solid objects that have been noted as containing prohibited or restricted chemicals are porcelain or pottery that have glazes containing uranium or chromium pigments, demonstration devices, such as science test kits and cloud chambers, and similar objects. These materials are not subject to the prohibition; however, such materials should be covered by written procedures for safe handling and controlled storage.