



UCSC Laboratory Safety Services  
Providing a little slug of information on . . .

## Select Carcinogens and Particularly Hazardous Materials

Select Carcinogens and Particularly Hazardous Materials are defined as:

- (1) It is regulated by Cal OSHA as a carcinogen;
- (2) It is listed under the category, "known to be a carcinogen" by IARC. It is listed in group 2A or 2B by IARC;
- (3) It is under the category "reasonably anticipated to be a carcinogen" by NTP;
- (4) It causes statistically significant tumor incidence in experimental animals in accordance with the following criteria:
  - (a) inhalation exposure 6 - 7 hours per day, five days per week to doses < 10 mg/m<sup>3</sup>;
  - (b) after repeated skin application of < 300 mg/kg;
  - (c) after oral dosages of < 50 mg/kg of body weight per day.

The lab standard requires provisions for additional employee protection for work with particularly hazardous substances. These include "select carcinogens," "reproductive toxins" and "substances which have a high degree of acute toxicity". Specific consideration shall be given to the use of such materials including:

1. Establishment of a designated area
2. Use of containment devices such as fume hoods or glove boxes
3. Procedures for safe removal of contaminated waste
4. Decontamination procedures

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