

FORM IBC-14A: Criteria for IBC 14 (Application for Research using Particularly Hazardous /Toxic Materials)

As mandated by the OSHA Lab Standard (29 CFR 1910.1450), particularly hazardous/toxic materials require provisions for the safety of laboratory personnel. Particularly hazardous/toxic materials are defined as one of the following:

- A. Agents classified as "carcinogenic to humans, or "probably carcinogenic to humans" by the International Agency for Research on Cancer (IARC). (Appendix A)**

- B. Agents classified a "Known Carcinogen" or "Reasonably Anticipated to Be a Human Carcinogen" by the National Toxicology Program (NTP). (Appendix B, Part A & Part B)**

- C. Agents known to cause either male or female reproductive toxicity by the State of California. (Appendix C)**

- D. Biological Toxins: (Appendix D)**

- E. The chemical is classified as a restricted pesticide: (Appendix E)**

- F. The chemical is classified as 1.1 explosive by the DOT (Title 49 CFR 172.101). Note that many of these are explosive when they contain less than a specified amount of water, i.e. when they are not "wetted". (Appendix F)**

- G. Agents classified as 'Highly Toxic" as defined by the following criteria (see MSDS for this information):**
 - Oral: LD₅₀ <50mg/kg (oral rat)**
 - Inhalation: LC₅₀ < 200ppm/1 hr or 2000 mg/m³ / 1 hr**
 - Skin contact: LD₅₀ < 200 mg/kg (rabbit)**

Note: Appendixes can be found along with IBC 14 Form on the following website:

<http://www.jefferson.edu/ohr/ibc/forms/index.cfm>