

**UNIVERSITY OF HAWAII AT MANOA
AGREEMENT FOR THE USE OF HAZARDOUS MATERIAL**

1. **Principal Investigator:** _____
2. **Department:** _____
3. If your work will involve any of the types of hazardous materials listed below, please provide a list of the chemical name(s) and approximate amounts of the materials to be used, information on how the material will be used and stored, also information on any special safety measures that will be taken. The information is needed to ensure the materials are stored, used and disposed of in accordance with the applicable Federal and State regulations.
 - a) **Explosive materials** (e.g., ammonium perchlorate, picric acid or picrates, azides, acetylides or fulminates of heavy metals, aromatic di or tri nitro compounds such as dinitrophenol or trinitrotoluene, nitroglycerine, RDX and tetrazene).
 - b) **Water reactive or pyrophoric chemicals** (e.g., alkali metals such as sodium, potassium and lithium; metal hydrides such as lithium aluminum hydride, sodium borohydride, and lithium hydride; calcium carbide, ethyldichlorosilane and phosphides or Grignard Reagents, tert-butyl lithium, and white phosphorus)
 - c) **Flammable or poison gases** (e.g. methane, ethylene, chlorine, phosgene and hydrogen sulfide).
 - d) **Organic peroxides or peroxide forming chemicals** (e.g., methyl ethyl ketone peroxide and peracetic acid or diethyl ether, isopropyl ether, tetrahydrofuran, and 1,4-dioxane)
 - e) **Highly toxic materials** (e.g., cyanides, osmium tetroxide, phosphorus, strychnine, pentaborane, or any material with a LD₅₀ [oral rat] of 50 mg/kg or less).
 - f) **Flammable liquids** (i.e., materials with a flash point of 140 degrees Fahrenheit or less) in quantities of 60 gallons or more at any one time.
4. I agree to: (1) comply with the University of Hawaii at Manoa Hazardous Material Management Program (HMMP) requirements and any additional requirements provided by the Environmental Health and Safety Office that are necessary to ensure compliance with Federal and State regulations, (2) inform the Environmental Health and Safety Office if there are any changes which affect the types of hazardous material listed above, and (3) transfer or properly dispose of all my hazardous material as specified in the HMMP prior to leaving the University or transferring to a different laboratory. I believe the above information is accurate and complete.

PRINCIPAL INVESTIGATOR

DATE

PLEASE SEND THE COMPLETED FORM TO: EHSO 2040 East-West Road Attention: Hazardous Materials Management Officer. The Hazardous Materials Management Officer may be contacted at 956-3198 or Fax 956-3205, if you have questions.

5. The use of the hazardous materials listed above is agreed to subject to the special requirements listed below.

HAZARDOUS MATERIALS MANAGEMENT OFFICER

DATE

SPECIAL REQUIREMENTS:

10/20/09

Attachment 2