

# REGISTRATION OF RESEARCH WITH CARCINOGENIC, HIGHLY TOXIC AND HAZARDOUS CHEMICALS

HSE REG# \_\_\_\_\_  
DATE \_\_\_\_\_  
ACTION \_\_\_\_\_

## DO NOT WRITE IN ABOVE SPACE

1. Principal Investigator \_\_\_\_\_  
Academic Title \_\_\_\_\_ JHED ID \_\_\_\_\_  
Email: \_\_\_\_\_
2. Department \_\_\_\_\_ Division \_\_\_\_\_
3. Addresses: Office \_\_\_\_\_ Lab \_\_\_\_\_ Telephone # \_\_\_\_\_
4. Project Title: \_\_\_\_\_
5. List of carcinogenic, mutagenic, highly toxic or hazardous chemicals used routinely for this project. Please include the Chemical Abstract Service Number (CAS) #.

Chemical Name	CAS Number	Chemical Name	CAS Number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Chemicals are carcinogenic, mutagenic, highly toxic, or hazardous if they fit any of the criteria, listed below:

- Known or suspect human carcinogen as defined by ACGIH (list available from HSE).
- Chemicals with an immediate dangerous to life or health value (IDLH) of 5 ppm or less, as published by NIOSH (list available from HSE).
- Known mutagen or teratogen.
- Chemical with an LD<sub>50</sub> of 50ml/kg or less when given to albino rats.
- Chemical with an LD<sub>50</sub> of 200mg/kg or less when administered by continuous contact for 24 hr. to the bare skin of albino rabbits.
- Chemical with an LC<sub>50</sub> in air of 200 ppm or less of gas or vapor, or 2mg/liter or less of dust, mist, or fume when administered by continuous inhalation to albino rats.

For additional information on which chemicals should be registered, please see:

[http://www.hopkinsmedicine.org/hse/Policies/HSE\\_Policies/indiv\\_sections/hse704.pdf](http://www.hopkinsmedicine.org/hse/Policies/HSE_Policies/indiv_sections/hse704.pdf)

6. Please list all professional personnel, employees and students involved in the project who will come into contact with these materials:

Name	Mailing Address	Social Security No.
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. Please attach a brief overview of the procedures for safe use of each chemical. Please include information such as:
- a) The purpose of the research;
  - b) An assessment of risks to personnel working with the chemical;
  - c) Specifically describe the safe practices, equipment, and facilities that will be used to protect personnel from exposure to the chemical. Please review HSE 802 Hazard Assessment of Laboratory Workers [http://www.hopkinsmedicine.org/hse/Policies/HSE\\_Policies/indiv\\_sections/hse802.pdf](http://www.hopkinsmedicine.org/hse/Policies/HSE_Policies/indiv_sections/hse802.pdf)
  - d) Specifically describe methods of inactivation or disposal of the chemical or contaminated materials.
8. I accept responsibility for the safe conduct of work with this material. I will inform all personnel of the hazards associated with this work and the level of containment required to perform this research safely.

Principal Investigator \_\_\_\_\_ Date \_\_\_\_\_  
Signature

Save and email form to: [HSEinfo@jhmi.edu](mailto:HSEinfo@jhmi.edu)

Or you can print and fax to:

Office of Health, Safety, and Environment  
Attn: Chemical Registration  
410-955-5929