Standard Operating Procedure for Handling Carcinogens



1. Designated Areas and Qualified Personnel

Unpacking and preparing the carcinogens will take place in the HPCAT chemistry laboratory (room 434 E030) with representatives from both HPCAT (Curtis Kenney-Benson) and the experimental group.

2. <u>Description of Operations Involving the Sample</u>

3. <u>Hazard Information Training</u>

MSDSs will be available upon request. Chemical containers will bear appropriate labels. "Danger – Cancer Hazard" signs and copies of this SOP will be posted on the fume hood and all entrances to the Sample Lab to provide notification of the hazards. The experimenters listed above will review the MSDSs and understand the hazards and safety procedures prior to starting work.

4. Engineering Exposure Controls

All sample preparation will be done within the HPCAT fume hood to prevent dispersion. Sample containers will remain closed when not in immediate use and will be properly labeled. Containers will be stored within the hood for the duration of the experiment. Any incidental waste will be disposed of in accordance with point 6.

5. <u>Personal Protective Equipment</u>

Impervious gloves and protective eyewear and facemasks will be worn when preparing materials. Gloves will continue to be worn for any and all additional handling.

6. Disposal

Gloves, task wipes and other waste will be stored under the fume hood in a sealed plastic bag, which will bear the required "Cancer hazard" labels. At the conclusion of the experiment, all waste and excess sample materials will be returned to the owner's home institution for disposition, or disposed of according to ANL-WMO guidelines.