24. SAFE STORAGE AND HANDLING OF EXPLOSIVE AND SHOCK SENSITIVE MATERIALS

(For assistance, please contact Environmental Health & Safety)

Chemicals that are, can form, or can deteriorate into explosives or become shock sensitive pose a serious risk to the University.

✓ Use of such chemicals in the teaching environment should be eliminated if safer alternatives are available.
✓ Use of such chemicals in research should be minimized, and should be authorized in advance by both the Chair and the Dean, with full consideration given to the ultimate cost of disposal.
✓ Researchers who choose to work with such chemicals shall build into their cost of operations the cost of disposal (approximately $5000 per evolution).
✓ Non-academic units are specifically prohibited from obtaining or using such materials without prior written authorization of their reporting Vice Chancellor.

The Colorado Department of Public Health & Environment maintains a “Top 100” list of such chemicals\(^1\), but this list is not all-inclusive. Researchers and faculty who knowingly or inadvertently create, develop, or use explosive or shock sensitive materials do so with the full expectation that they will be held responsible for storage, disposal, and cleanup efforts related to such materials.

The attached form may be used to document the procurement and use of these known highly hazardous materials.


Last reviewed by Cynthia Norton on December 11, 2015
University of Colorado at Colorado Springs

Hazardous Chemical Procurement, Production and Use Authorization

The University of Colorado at Colorado Springs encourages research and the pursuit of academic excellence. However, some research and academic programs require the use of hazardous chemicals that may pose a danger to University property, students, faculty, and the community. This form is NOT intended to discourage academic freedom or stifle valid research. It IS intended to ensure that use of hazardous chemicals is properly documented and authorized, and that such use is with the full awareness of associated hazards and the ultimate cost for proper disposal within existing regulations.

This form must be completed prior to procurement production or preparation of explosive or shock sensitive materials and precursors, material that would result in a “P-listed” waste, or other materials as determined by the administration.

REQUESTING UNIT ___________________________________ SPEED TYPE AND ACCOUNT NUMBER __________________________

REQUESTING RESEARCHER OR FACULTY MEMBER ___________________________________________________________

CHEMICAL² (NAME AND CAS NUMBER) _________________________________________________________________

CONTAINER SIZE AND QUANTITY REQUESTED ____________________________________________________________

SPECIFIC PURPOSE OR USE _________________________________________________________________

LOCATION³ ___________________________ AND ANTICIPATED PERIOD OF USE (FROM) __________ (TO) __________

SPECIFIC HAZARD PRESENTED BY THIS MATERIAL _______________________________________________________

ALTERNATIVES CONSIDERED AND REASON THEY ARE UNACCEPTABLE ___________________________________________

STORAGE REQUIREMENTS AND CONSIDERATIONS

ACCESS CONTROLS

By submitting this request, I acknowledge that storage and use of this material presents an extraordinary hazard to the University, staff, students, faculty and community. I certify there are no suitable alternatives and that quantities will be maintained at the minimum required to conduct this research or project. I understand my responsibilities for safeguarding this material, and have set aside sufficient funds to pay disposal costs associated with the material. I further understand that I may be held responsible for cleanup and associated costs for improper use.

(1) PRINTED name and SIGNATURE of researcher or laboratory faculty DATE TELEPHONE #

(2) PRINTED name and SIGNATURE of Department Chair DATE TELEPHONE #

(3) PRINTED name and SIGNATURE of Dean DATE TELEPHONE #

THIS FORM MUST BE FILED WITH EH&S AT LEAST 30 DAYS PRIOR TO PROCUREMENT

² Attach the applicable Safety Data Sheet to this form.
³ Attach annotated floor plan indicating storage location and NFPA marking.