

Base Hazardous Storage. FAC: 4423

CATCODE: 442257

OPR: AF/A4LE

OCR: AFSC/SEW

Updated: 09 NOV 2022

1.1. **Description.** This facility stores hazardous materials that cannot be stored in supply and equipment sheds or warehouses (**CATCODEs 442628** and **442758**). The guidance on storage criteria and fire safety is given in Air Force Interservice Manual 24-204(I), *Preparing Hazardous Materials for Military Air Shipments*, and AFJMAN 23-210, *Joint Service Manual (JSM) for Storage and Materials Handling*. Standards for hazardous waste containment buildings are contained in 40 CFR 264 and 265, Subpart DD. Consult *AFCEC Facility Planning and Design Guide: HAZMART (Hazardous Material Pharmacy)* for additional information and guidance.

1.2. **Requirements Determination.** Space requirements vary with the availability of other suitable storage facilities as indicated above. Flammable/combustible liquids and compressed gases are stored in this facility. Standard sheds and warehouses may be used when available, and no serious fire or safety hazards result. This facility is a single purpose structure preferably of non-combustible construction, one story in height without basement or crawl space, and detached or separated from other buildings by at least 15 m (50 ft). This space requirement is included in **CATCODE 442758** and/or **CATCODE 442628** and is computed as described in CG-44 Supply Storage Fac paragraph 1.1.1.2 when standard facilities are used. As indicated in safety requirements, limit the size of single facilities to 1,860 m² (20,000 ft²). See Note 1 in Table 1.1.

1.3. **Scope Determination.** **CATCODE 442257** applies only to the specially designed storage facility and not to standard structures that are used to store hazardous material. Furthermore, the category code does not apply to small outbuildings used to store an activity's working supply of hazardous materials. Such outbuildings are properly reported under the category code of the activity's operating building or shop. See notes in Table 1.1 below.

1.5. **Design Considerations.** See *AFCEC Facility Planning and Design Guide: HAZMART*. Ensure hazardous materials storage complies with local, state and federal requirements and other guidance as defined in AFMAN 32-1084 Overview paragraph 1.3.1 and paragraph 1.8.3.

Table 1.1. Space Requirements, Hazardous Materials Pharmacy^{1,2,3}.

Base Personnel/ Population	Warehouse Space		Administration Office		Safety Storage or Shed Space		Open Storage
	Gross Area						
	Per Person ⁴		Per Person ⁵		Per Person ⁴		
	m ²	ft ²	m ²	ft ²	m ²	ft ²	
Up to 2,000	Note 6		5.95	64	Note 6		Note 7
First additional 2,000 ⁴	0.046	0.5	5.95	64	0.023	0.25	
Second additional 2,000 ⁴	0.023	0.25	5.95	64	0.009	0.1	
Over 6,000 ⁴	0.009	0.1	5.95	64	0.009	0.1	

NOTES:

1. This facility is used to store, issue, reissue, and collect hazardous materials that cannot be stored in supply and equipment sheds or warehouses (CATCODE 442628 and 442758) and other hazardous materials centrally controlled under the hazardous material pharmacy concept. These hazardous materials are generally defined as all items on Federal Standard 313C Table I regardless of hazard (Federal Stock Class 68XX, 7930, 80XX [8020 excluded], 9150 and 9160), items on Table II defined as hazardous, and other items requiring control for environmental, health, or safety reasons (e.g., Federal Stock Class 6135 and 6140 for batteries, radioactive material, items containing mercury). The guidance on storage criteria and fire safety is given in AFJMAN 24-204 and AFJMAN 23-210.
2. To conform to hazardous material storage requirements, it is recommended that eight separated storage areas be used: reuse-reutilization, flammable, corrosive, reactive, oxidizer, poison, acid, and combustible.
3. This space projection meets storage, distribution, collection, reissue, and satellite hazardous waste accumulation point (72 hours limit when full) minimum requirements and is based on the following two assumptions: (1) The LRS provides courtesy storage for oils and lubricants; and (2) civil engineering hazardous materials are provided segregated storage in the CE warehouse.
4. Multiply this figure by the base population.
5. Multiply this figure by the maximum number of persons on any one shift, not by base population. The resulting figure is the gross area required to accommodate office, customer service areas, hallways, lockers, latrine, and mechanical room. See FC-6 CG-61 Admin Overview for authorized office types and sizes.
6. For a base population of up to 2,000, recommended warehouse space is 260 m² (2,800 ft²) and safety storage or shed space is 93 m² (1,000 ft²).
7. LRS allocates securable open storage space as required