

2007 CBC Table 307.1(2)
Maximum Allowable Quantity Table for Storage In Laboratory Buildings

MATERIAL	Fire Protection Method	Solid-lbs.(Cubic Feet)					Liquid Gallons (Pounds)					Gas (Cu. Ft.)**				
		Floor Location					Floor Location					Floor Location				
		Sub Bsmnt	Bsmnt	First	Second	Third	Sub Bsmnt	Bsmnt	First	Second	Third	Sub Bsmnt	Bsmnt	First	Second	Third
Corrosive																
N/A	Base(No Cabinet or Sprinkler)	2500	3750	5000	3750	2500	250	375	500	375	250	405	608	810	608	405
	Sprinklered (No Cabinet)	5000	7500	10000	7500	5000	500	750	1000	750	500	405	608	810	608	405
	Cabinet (Non-sprinklered)	5000	7500	10000	7500	5000	500	750	1000	750	500	810	1215	1620	1215	810
	Cabinet+Sprinklered	10000	15000	20000	15000	10000	1000	1500	2000	1500	1000	810	1215	1620	1215	810
Highly Toxic																
N/A	Base(No Cabinet or Sprinkler)	5	7.5	10	7.5	5	(5)	(8)	(10)	(8)	(5)	0	0	0	0	0
	Sprinklered (No Cabinet)	10	15	20	15	10	(10)	(15)	(20)	(15)	(10)	0	0	0	0	0
	Cabinet (Non-sprinklered)	10	15	20	15	10	(10)	(15)	(20)	(15)	(10)	10	15	20	15	10
	Cabinet+Sprinklered	20	30	40	30	20	(20)	(30)	(40)	(30)	(20)	20	30	40	30	20
Toxic																
N/A	Base(No Cabinet or Sprinkler)	250	375	500	375	250	(250)	(375)	(500)	(375)	(250)	405	608	810	608	405
	Sprinklered (No Cabinet)	500	750	1000	750	500	(500)	(750)	(1000)	(750)	(500)	810	1215	1620	1215	810
	Cabinet (Non-sprinklered)	500	750	1000	750	500	(500)	(750)	(1000)	(750)	(500)	810	1215	1620	1215	810
	Cabinet+Sprinklered	1000	1500	2000	1500	1000	(1000)	(1500)	(2000)	(1500)	(1000)	1620	2430	3240	2430	1620

* Cabinets shall be approved exhausted gas cabinets for storing highly toxic gas.

** MAQ for Anhydrous Ammonia in a non sprinklered building in a single control area is 150 pounds. In a fully sprkinlered building, MAQ is 2 cylinders each with 150 pound

N/A = Not Applicable

N.L = No Limit

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