California Fire Code limits:

- Code year
- Sprinkler coverage
- Flammable liquids (Class I)
 - Open use MAQ limit
- Combustible liquids (Class II or IIIA)
- Basement MAQ reductions





Basement: A story that is not above grade plane.

Grade plane

2 1 B1

B2



California Fire Code

2001 and earlier: flammable liquids are <u>prohibited</u> from being stored in basements

Grade plane





California Fire Code

2007 – current: flammable and combustible liquids (I, II, IIIA) are prohibited from being stored in __Grade plane basements unless there is automatic fire sprinkler coverage



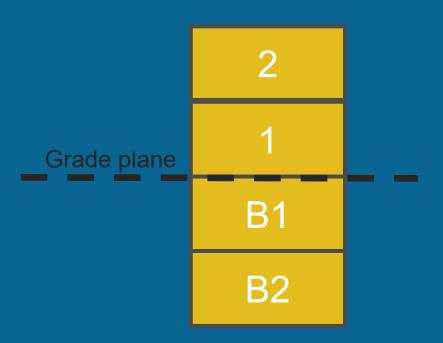


Fire sprinklers? Yes

2007 – current:

- Class I liquids limited to open use MAQs
- Class II and IIIA liquids allowed

2022 CFC 5704.3.5.1





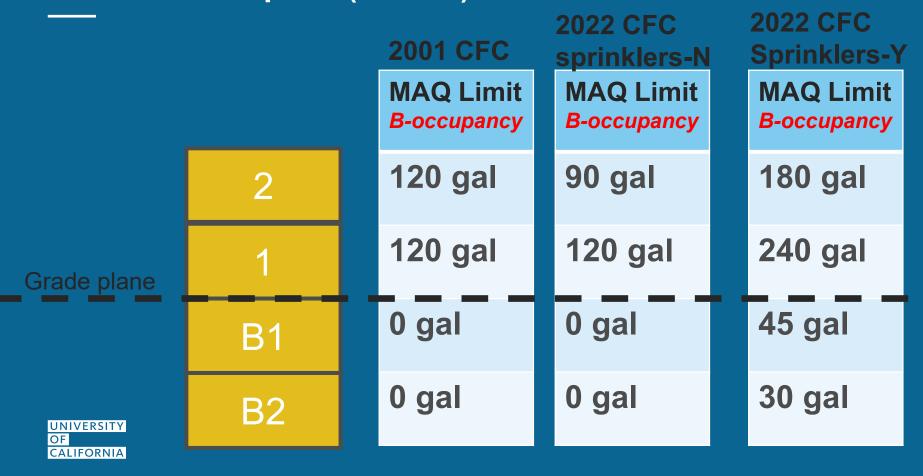
Flammable Liquids in Basements

TABLE 5003.1.1(1)—MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARDa, c, i, I, m, o

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE ^b			USE-CLOSED SYSTEMS ^b			USE-OPEN SYSTEMS ^b	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)
Flammable liquid ⁿ	IA IB and IC	H-2	NA	30 ^{d, e}	NA	NA -	30 _q	NA	NA	10d
		or H-3		120 ^{d, e}			120 ^d			30d
Flammable liquid, combination (IA, IB, IC) ⁿ	NA	H-2 or H-3	NA	120 ^{d, e, h}	NA	NA	120 ^{d, h}	NA	NA	30 ^{d, h}



Flammable Liquids (Class I) in Basements



Combustible (Class II) Liquids in Basements

