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	Public Safety	Y	ic Sarety and Security	Q	. Search	In Public Safety - SEANCH				
Public Safety Agencies	Homeland Security & Emergency	Crime Prevention & Personal Safety	Consumer Protection &	Funding & Training	Law Enforcement & Criminal	Firearms Registration &	Legislative Initiatives			
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780 CMR MA Amendments to the IBC	
Massachusetts Amendments to the IBC (August 2010)	
Table of Gonients 🔂 (37kb)	
1. Scope and Administration 15 (156kb)	
2. Definitions 📆 (59kb)	
3. Use and Occupancy Classification 🔁 (69kb)	
4 Special Detailed Requirements Based on Use and Occupancy 📆 (101kb)	
5 General Building Heights and Areas 📆 (51kb)	
6. <u>Types of Construction</u> 🔂 (44kb)	
7. Fire and Smoke Protective Features (No MA amendments.) 📆 (40kb)	
0. Interior Finishes 📆 (56kb)	
9. <u>Fire Protection Systems</u> 🔁 (146kb)	
10. Moans of Egross 📆 (64kb)	
11. <u>Accessibility</u> 冠 (46kb)	
12. Interior Environment 🔂 (54kb)	
13. Energy Efficiency 🔂 (73kb)	
14. Exterior Walls (No MA amendments.) 📆 (44kb)	
15. Roof Assemblies and Rooftop Structures (No MA amendments.) 📆 (40kb)	
16. Structural Design 📆 (334kb)	
17. Structural Tests and Special Inspections 📆 (65kb)	

2/19/2013



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Massachusetts Laws	Bills State E	Budget P	cople Committees	Educate & Engage	Events
Home ala 1805 & Laws ala Laws .	Seneral Laws >> P/	VRT I >>> TITLE 20	K >> CHAPTER 148 >>		
Massachusetts Laws Massachusetts Constitution	General La	WS			🚔 Port Page
	PART I	ADMINISTR (Chapters	RATION OF THE GOVERN 1 through 182)	IMENT	PREV NEXT
Session Laws Rules	TITLE XX	PUBLIC SA	FETY AND GOOD ORDER		PREV NEXT
	CHAPTER 148	FIRE PREV	ENTION		PREV NEXT
	Section 1	Definitions			
	Section 13	Licenses for certificate of explosion ba	land for explosives and inflarm registrations; fees; reptacemen ward, accessis to marshal	nable materials; certificate of appr Is and atterations of, and regulation	oval, record, ons for buildings;

CHAPTER 148	FIRE PREVENTION	PREV	► NEX
Section 13	Licenses for land for explosives and inflammable materials; certificate of approval; record; certificate of registrations; fees; replacements and alterations of, and regulations for buildings; explosion hazard, appeals to marshal	4 PREV	► NEX
Section 13.	No building or other structure shall, except as provided in section four	teen, be	
used for the nine, unless	e keeping, storage, manufacture or sale of any of the articles named in s the local licensing authority shall have granted a license to use the la	n section Ind on whic	h
used for the nine, unless such buildir	e keeping, storage, manufacture or sale of any of the articles named in s the local licensing authority shall have granted a license to use the la ng or other structure is or is to be situated for the aforementioned uses	n section nd on whic s, after a	h
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used for the nine, unless such buildir public hear expense of publication,	e keeping, storage, manufacture or sale of any of the articles named in s the local licensing authority shall have granted a license to use the la ng or other structure is or is to be situated for the aforementioned uses ing, notice of the time and place of which hearing shall have been give the applicant, by the clerk of the city or of the local licensing authority , not less than seven days prior thereto, in a newspaper published in the path of the city or structure is pay so public	n section nd on whic s, after a n, at the r, by ne English hed thereir	h
used for the nine, unless such buildir public hear expense of publication, language ir otherwise i	e keeping, storage, manufacture or sale of any of the articles named in s the local licensing authority shall have granted a license to use the la ng or other structure is or is to be situated for the aforementioned uses ing, notice of the time and place of which hearing shall have been give the applicant, by the clerk of the city or of the local licensing authority , not less than seven days prior thereto, in a newspaper published in the n the city or town wherein said land is situated, if there is any so publis n the county in which such city or town lies, and also by the applicant i	n section nd on whice s, after a n, at the t, by he English hed thereir	h
used for the nine, unless such buildir public hear expense of publication, language ir otherwise in mail, not le	e keeping, storage, manufacture or sale of any of the articles named in s the local licensing authority shall have granted a license to use the la ng or other structure is or is to be situated for the aforementioned uses ing, notice of the time and place of which hearing shall have been give the applicant, by the clerk of the city or of the local licensing authority , not less than seven days prior thereto, in a newspaper published in the the city or town wherein said land is situated, if there is any so publis in the county in which such city or town lies, and also by the applicant l	n section nd on whice s, after a n, at the s, by ne English thed therein by registere	h n, ed

 In accordance with the provisions of M.G.L. c. of flammable and combustible liquids, flammable 	148, § 13, the following amounts, listed in Table solids or flammable gases may be kept, stored,
manufactured or sold without obtaining a license fro	m the local licensing authority.
Table 1	
Class I liquids	
Class I liquids	10,000 gallons‡
Class II liquids	
Class IIIA liquids	10,000 gallons
Class IIIB liquids	10,000 gallons
Flammable gases (within a building)	
Flammable gases (outstore a building)	10,000 cubic re et
† In containers of 60 gallons capacity or less, or	in portable tanks over 60 gallons espacity not.
intended for fixed use, including intermediate by handline.	alk containers (IBCs) designed for mechanical
⊥ In storage tanks having a liquid capacity that ex	ceeds 60 gallons capacity, intended for fixed
installation, and not used for processing.	• • •



CODE APPROACH TO FLAMMABLE LIQUIDS HAZARDS	ISPE
 Identify the Hazards A. Types of flammable and combustible materials B. Type of use and/or storage C. Temperature and pressure 	
 2. Require measures to prevent the hazard from occurring. A. Limit quantities. Limit quantities per square foot. B. Detection (e.g. LEL detectors) C. Ventilation (remove vapors) D. Approved containers and storage cabinets E. Spark control (e.g. explosion proof electrical devices) 	
 3. Require elements to mitigate the effects of the hazard if it occurs. A. Fire proof construction, fire separations B. Separation distances C. Sprinkler systems D. Spill containment E. Explosion venting F. Fire department access 	



FLAMM	ABLE 8	& CO	MBL	ISTI	BLE	LIQU	IDS CO	OMN	IONI	Y US	SED	
Acetone, NF Acetaldehyde Acetonitrile Benzene tert-Butyl Alcohol Cyclohexene Dithiothreitol Ethylacetate Ethyl Ether				IB IB IB IB IB IA	3		Glacial A Hexane Isopropa Methanc Pentane Propyl A Pyridine Tetrahyd Toluene Triethyla	anol bi ithyl Ka Icohol Irofural mine	Acid eytone n Anhy	e ydrous	3	II IB IB IB IA IC IB IB IB IB
			P	ropertie	s of Ethy	ri Alcoho	ol Solutions					
Percent Ethyl Alcohol In Water	100% (200 Proof)	96%	95%	80%	70%	60%	ಕಿಟ% (100 Proof)	40%	30%	20%	10%	5%
Flash Point "F ("C)	55 (13)	62 (17)	63 (17)	68 (20)	70 (21)	72 (22)	75 (21)	79 (26)	85 (29)	97 (36)	120 (49)	111 (62
NFPA Glass	IB	IB	IB	IB	IB	IB	IC	IC	IC	IC	п	IIIA





	00					LOW		QU		IILC
ME	SCHORENEL OF	AREALE, QUAANITI	TPERCHAR	IFTARBE I SD GEP A JAN	E 392 MAR 1782 BADH USA	CALLER CH. 5, PO	GING & PRINSI	AL HOLARS	pange .	
		CONTRACTOR OF CO		SECHARCE?		854	ER 1455ED-5765 M	146 [~]	USCIERER	SHE MARK
NATERIA.	GLASS.	SHEWBER GRANINGSE ENCECTER	Solit prants	Lapidgatiero (possibi)	Gas Bacticition entititity	Solid prants (advident)	Lipsidgatinos (psunits)	Carl (mCK.Retr ot WFP)	Solidgements Balliofanit	E ipsi/2-palles (ps.aidb)
Combustible Signal ^{es}	II ICA ICB	B-LorH-3 B-2orH-3 B/A	120.	(29% 33847 33.200*4	110.	EX.	12月 3日年 15.20月	N/A.	8 12	539 539 55504
Combasilities faber	Loose Bilede	B-8	(500) (5.003)	394a	NG.	(200) (1.09%)	1948.	N/A.	(20) (20)0	腳線
Consuctor tire worker (Chrss C, Common)	1.4G	Ħ₫	120 ^{Ka.†}	NA	N/A	RK.	NOA.	NA	¶⊼.	N95.
Cryogenics, fismmable	N/A	11-2	NA	454	N/A	NA	454	N/A	NA	104
Cryogenics, inert	N/A	NΛ	N/A	NA	NL	N/A	N/A	NL.	NA	NVA
Cryogenics, excidining	N/A	H-3	NA	454	N/A	NA	451	NA	NA	106
Raplostves	Devision 1.1 Devision 1.2 Devision 1.3 Devision 1.4 Devision 1.4 Devision 1.5 Devision 1.6	H-1 H-1 H-1 or H-2 H-3 H-1 H-1	144 504 1201-1 144 144	11114 11120 11100 11100 11100 11100	14/A 14/A 14/A 14/A 14/A 14/A 14/A	0.25 ⁴ 0.35 ⁴ 50 ⁴ NIA 0.25 ⁴ NIA	(0.25)* (0.25)* (1)* (50)* N/A (0.25)* N/A	NA NA NA NA NA	0.25 ⁴ 0.25 ⁴ NIA NIA 0.25 ⁴ NIA	(0.25)# (0.25)# (1)# NUA NUA (0.25)# NUA
Plennwhle gas	Gaseous Liqueñed	H-2	NA.	N/A (150) ^{4,*}	1.000 ⁴ * N/A	NA	N/A (150) ^{4,+}	1.000 ⁴ * N/A	NA	N0.
Flammable liquid"	1A 1B and 1C	H-2 or H-3	NA	204. 1204.	N/A	NA	20 ⁴ 120 ⁴	NA	NA	10 ⁸ 20 ⁶
Flammable láquid, combination (IA, 19, IC)	N/A	H+2 or H-7	NA.	120445	N/A	NA	120 ^{4 h}	NA	NA	30 4 M
Flammable solid	N/A	H-3	1251.1	N/A	N/A	1259	N/A	NA	257	N/A
inet gas	Gaseous Liquefied	N/A N/A	N/A M/A	N/A N/A	NL NL	PNO. NIO.	N/A N/A	間. 間.	N/A N/A	NO.
Organic peroxide		H-1 H-2 H-3 H-3 N/A N/A	55 504 127 NL NL	(1)** (5)** (50)** (123)* NL NL	1855 1844 1844 1844 1844 1844	0.29 10 1234 NL NL	(0.28)# (1) (90) ^d (123) ^d NL NL NL	NA NA NA NA NA	8.29 ⁴ 19 ⁴ 29 ⁴ NL NL	(2.23) (1) (10) (23) NL NL
Oxidizer	4 gl, 22 1	H-1 II-2 or II-9 H-3 WA	104+ 2504+ 4,000+1	(1)*-4 (10)*(* (2:50)*(* (4,000)*-1	N/A N/A N/A N/A	0.25 ⁴ 2 ⁴ 250 ⁴ 4,007	(0.25)* (2) ⁴ (250) ⁴ (4,000) ²	NA NA NA	0.29 ⁴ 2 ⁴ 50 ⁴ 1,007	(0, 25)* (2) ⁴ (50) ⁴ (1,000) ²
Oxidizing gas	Georous LiqueDed	Н-3	N/A N/A	N/A (150)4*	1.909 ⁴ * N(A	N/A N/A	N/A (150) ⁴ *	Ligget.	N/A N/A	N/A N/A
Pyrophoric material	N/A	H-2	44	[4]*.1	5044) f	(1)#	104	0	0
Unstable (seactive)	4 3 2 1	H-1 H-1 or H-2 H-3 N/A	144 504+ NL	(1)~4 (5)~4 (50)~4 NL	104 504.+ 2504.+ NL	0.254 14 504 NL	(0.25)4 (1) ⁴ (50) ⁶ NL	244 10 ^{1,4} 250 ^{4,4} NL	0.25 ⁴ 1 ⁴ 10 ⁶ NL	(0.25)* (1) ² (10) ⁴ NL
Water ceactive	32	H-4 H-3 N/4	31+ 504+ MI	(3) 4 (50) 4	NIA NIA	34 504	(3)* (50)*	NIA NIA	104 104	(1) ⁴ (10) ⁴

		GROUP WHEN		STORAGE®		USE	CLOSED SYSTE	MS ^h	USE-OPEN	SVSTEMS ⁶	
MA TE RIAL	GLASS	THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	Solid pounds (cubic feet)	Liquid gallons (pounds)	Cas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Cass (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallon (pounds)	
Combustible liquid ^{a i}	II IIIA IIIB	H-2 or H-3 H-2 or H-3 N/A	IN/A	1204 « 3304 « 13,2004 f	N/A	N/A	120 ^d 330 ^d 13,200 ^g	N/A	N/A.	30d 80d 3,300f	
Combustible fiber	Loose Baled®	H-3	(100) (1,000)	N/A	N/A	(100) (1,000)	N/A	N/A	(20) (200)	N/A	
Consumer fireworks (Class C, Common)	1.4G	H-3	129 ^{d.e.1}	N/A	N/A	N/A	N/A	N/A	N/A.	N/A	
Cryogenics, flammable	N/A	H-2	N/A	454	N/A	N/A	45 ^d	N/A	N/A	10 ^d	
Cryogenics, inert	N/A	N/A	N/A	N/A	NL.	N/A	N/A	NL	N/A	N/A	
Cryogenics, oxidizing	N/A	H-3	N/A	45 ^d	N/A	N/A	45 ⁴	N/A	N/A	104	
Explosives	Division 1.1 Division 1.2 Division 1.3 Division 1.4 Division 1.4G Division 1.5 Division 1.6	H-1 H-1 H-3 H-3 H-1 H-1 H-1	148 148 548 5048 12544,1 148 148	(1) ^{0.8} (1) ^{0.2} (5) ^{0.8} (50) ^{*.8} N/A (1) ^{*.8} N/A	N/A N/A N/A N/A N/A N/A	0.25* 0.25* 1* 50* N/A 0.25* N/A	(0.25)* (0.25)* (1)* (50)* N/A (0.25)* N/A	N/A N/A N/A N/A N/A N/A	0.25* 0.25* 1* N/A N/A 0.25* N/A	(0.25)* (0.25)* (1)* N/A N/A (0.25)* N/A	
Plammable gas	Gaseous Liquefied	H-2	N/A	N/A (150) ^d .*	1,000 ^{4,} * N/A	N/A	N/A (150) ^d *	1,000 ^{d,} * N/A	N/A.	N/A	
Plammable liquid ^e	1A 1B and 1C	H-Z or H-3	N/A	30 ^{d.e} 120 ^{d.e}	N/A	N/A	30 ^d 120 ^d	N/A	N/A	10 ^d	
Flammable liquid, combination (1A, 1B, 1C)	N/A	H-2 or H-3	N/A	1204.0	N/A	N/A	1204.5	N/A	N/A	30 ^{4,h}	
Flammable solid	N/A	II-3	1254.*	N/A	N/A	125*	N/A	N/A	254	N/A	
inert gas	Gaseous Liquefied	N/A N/A	N/A N/A	N/A N/A	NL NL	N/A N/A	N/A N/A	NL NL	N/A N/A	N/A N/A	
Organic peroxide		H-1 H-2 H-3 N/A N/A	14.0 504.0 1251.* NL MI	(1) ^{e, g} (b) ^{d, e} (50) ^{d, e} (125) ^{d, e} NL	NVA NVA NVA NVA	0.254 14 504 1255 NL	(0.25)# (1) (50) ^d (125) ^d NL NL	NVA NVA NVA NVA	0.254 14 104 251 NL	(0.25) ^a (1) ^d (10) ^d (25) ^d NL NL	













IBC 2009 – RATED WAI	L CONST	RUCTION		ISPE
FIRE BARRIER. A fire-redesigned to restrict the s FIRE WALL. A fire-resis restricts the spread of fire through the roof, with su allow collapse of constru	esistance-ra pread of fire i tance-rated e and extends fficient structu	ted wall assembly of m in which continuity is m wall having protected s continuously from the ural stability under fire c er side without collapse	naterials aintained. openings, which foundation to or conditions to of the wall.	
Hour Fire-Rated Construction at 11 Transformation To a second	r, Percace & Gore at eff studio \$4" con linished Xester	TAD	E 706.4 ESISTANCE RATINGS	٦
3 Hour Fire-Rated Construction		GROUP	FIRE-RESISTANCE RATING (hours)	-
w. 13 = 1/2" Section F	recore C'Core gypsam	A, B, E, H=4, I, R=1, R=2, U	3*	4
4%" - 1-5/8" 25 gauge	steel studs 24" o.c.	F-1, H-3 ^b , H-5, M, S-1	3	
Optional venser	saster.	H-1, H-2	4 ^b	
4 Hour Fire-Rated Construction	£ 0.0	F-2, S-2, R-3, R-4	2	
- 1.50° 25 gaug 5%*	amoor rencoel C. Core each side steel stock 24" e.c. laster			



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в	uilding heigh Building ar	t limitations rea limitation	ALLC shown in fe	WABLE BUI et above gra	TABLE 503 LDING HEIG de plane. Sto as determine	HTS AND AR Ary limitation	REAS ^a Is shown as	stories abov rea, building	e grade plan Ciper story	e.
					TYPE	OF GONSTRUC	TION			
		TY	PEI	TYI	PE II	TYP	E III	TYPEIN	TYP	EV
	UEICUT/feet)	A UL	100	A (5	8	A	8	81	A 60	40
CDOUD					STOR	ES(S)				
A-1	5	UL	.5	3 15.500	2	3	2 8 500	3 15000	2	1
A-2	S A	ил. ил.	11	15 500	2	3	2	3	2	1 6000
۵.\$	5	UL	11	3	2 8500	3 14 000	2 8 500	3	2 11 500	1 6000
A-4	5 Å	UL	11 UL	3 15,500	2 3,500	3 14,000	2 9,500	3 15000	2 11,500	1 6,000
A-5	S A	UL	UL	ULUL	UL	UL	u.	UL	UL	UL
В	S Å	UL. UL	11 UL	\$ \$7,500	3 23,000	5 28,500	3 19,000	5 \$6,000	3 18,000	2 9,000
E	S A	UL. UL	ů.	3 26,500	2 14,500	3 23,500	2 14,500	25,500	1 18,500	1 3,500
F-1	S A	UL UL	u.	4 25,000	2 15,500	3 19,000	2 12,000	4 \$3,500	2 14,000	1 8,500
F-2	S Å	UL. UL	UL 11	\$7,500	23,000	4 28,500	3 18,000	5 50,500	3 21,000	2 13,000
H-1	S A	1 21,000	1 16,500	1 11,000	1	1 9,500	1 7,000	10,500	1,500	NP NP
H-24	S A	UL 21,000	3 16,500	2 11,000	1 7,000	2 9,500	1 7,000	2 10,500	1 7,900	1 3,000
H-3 ⁴	S Å	UL. UL	8 60,000	4 26,500	2 14_000	4 17,500	2 13,000	4 25,500	2 10,000	1 5,000
H-4	S A	UL UL	7 UL	5 37,500	3 17,500	5 28,500	3 17,500	5 35,000	3 18,000	2 6,500
H-5	S A	4 UL	4 UL	\$ 37,500	3 23,000	3 23,500	3 19,000	3 36,000	3 18,000	2 5,000
I-1	S A	UL UL	9 55,000	4 19,000	\$ 10,000	4 18,500	\$ 10,000	4 18,000	\$ 10,500	2 4,500
12	S A		4 UL	2 15,000	1 11,000	1 12,000	NP NP	1 12,000	1 3,500	NP NP
1.3	S A	UL. UL	4 UL	2 15,000	1 10,000	2 10,500	1 7,500	2 12,000	7,500	1 5,000
14	S	UL	5	****	2	\$	2	3	1	1





An "H" room utilizes the			J.e.			REQUI	RED SE	PARA	TABLE	508.4 F OCC		TES (H	OURS)					
concept of separated	OCCUPANCY	5	NS	8	NS	8	NS	8	NS	8	NS	8 P-1	NS	8	NS	s	NS	8
mixed uses in IBC 508.4	A ^d , E	N	Ν	1	2	2	NP	1	2	N	1	1	2	NP	NP	3	4	2
	1-1, 1-3, 1-4	_	-	N	N	2	NP	1	NP	1	2	1	2	NP	NP	3	NP	2
The code requirements	1-2	-	-	-	-	N	Ν	Z	NP	Z	NP	z	NP	NF	NP	3	NP	Z
applicable to each use	R	-	-	-	-	-	-	Ν	N	1.	2.	1	2	NP	NP	3	NP	2
apply to the separate use	F-2, S-2', U	-	-	-	-	-	-	-	-	N	Ν	1	2	NP	NP	3	4	2
areas.	B, F-1, M, S-1	-	-	-	-	-	-	-	-	-	-	Ν	Ν	NP	NP	2	3	1
	H-1	-	-	-	-	-	-	-	-	-	-	-	-	N	NP	NP	NP	NP
The sum of the ratios of	H-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N	NP	1
actual areas divided by	H-3, H-4, H-5	_		-	-	-	-	-	-		-	-	-		-	-	-	Is't
allowable areas shall not exceed 1. H2 ACTUAL B ACTUAL			_							_		7	- R	alanc	e of F	Ruildi	na	
$\frac{1}{H2} \text{ ALLOWED} + \frac{1}{B} \text{ ALLOWED} \leq 1$									/				В,	F, or	SUs	e Gr	oup	
$\frac{H2}{H2} \frac{ACTUAL}{ALLOWED} + \frac{B}{B} \frac{ACTUAL}{ALLOWED} \le 1$	L							/	/				Ba B,	alanc F, or	s Of E S Us	Buildi se Gr	ng ou	ip



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NFPA-30 - FLAMMABLE AND COMBUSTIBLE LIQUIDS	
1.1.1 Scope. This code shall apply to the storage, handling, and use of flammable and combustible liquids, including waste liquids.	
1.2 Purpose. The purpose of this code shall be to provide fundamental safeguards for the storage, handling, and use of flammable and combustible liquids.	
Content. As related to the storage and handling of flammable and combustible liquids	
 Facilities – Indoor, Outdoor and Detached First Prevention and First Pick Operators 	
 Fire Prevention and Fire Risk Control Containers Tanks and Bulk Containers 	
 Specific Equipment and Operations 	
 Bulk Storage 	
 Piping Systems 	
 Loading and Unloading 	
o Wharves	

























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NFPA-45 - LABORATORY UNIT HAZARD CLASSIFICATION

4.2.1.1 Laboratory units shall be classified as Class A (high fire Hazard), Class B (moderate fire hazard), Class C (low fire hazard), or Class D (minimal fire hazard), according to the quantities of flammable and combustible liquids.

Table 10.1,1 Maximum Quantities of Flammable and Combustible Liquids and Liquefled Flammable Gases in Sprinklered Laboratory Units Outside of Inside Liquid Storage Areas

		Excluding Quantities in Storage Cabinets or Safety-Cans				Including Quantities in Storage Cabinets or Safety Caus			
Laboratory Unit	Flammable and	Maximum Quantity ¹⁸ per 9.3 m ² (100 ft ²) of Laboratory Unit"		Maximum Quantity ^b per Laboratory Unit		Maximum Quantity ⁰ per 9.3 m ² (100 ft ²) of Laboratory Unit ^c		Maximum Quantity ^b per Laboratory Unit	
Class	Liquid Class [®]	L.	gal	Ľ	gal	L	gal	L	gal
A (bigh fine hazard)	I ^d I ^d , II, and HIA	58 76	10 20	2276 3028	600 880	76 150	20 40	4540 6960	1280 1680
B (moderate fire hazard)	I^d I^d , II, and IIIA	20 38	5 10	1136 1515	300 400	38 76	10 20	2270 3028	600 800
C (low fire hazard)	I ^d I ^d , II, and IIIA	7.5 15	2 4	570 757	150 200	15 30	4 8	1136 1515	300 400
D (minimal fire hazard)	I ^{ri} I ^d , II, and IIIA	4 4	1 1	284 284	75 75	7.5 7.5	2 2	570 570	150 150

NFPA-45 - LABORATORY UNIT HAZARD CLASSIFICATION

Implications. Laboratory units are classified to determine the hazard associated with the unit, various sections of NFPA 45 refer to the classification for the requirements of the design and construction. Examples:

Laboratory Unit	Area of Lab Unit	Fire Separation®
A	≤10,000 ft ²	2 hours
	$> 10,000 \ {\rm ft}^2$	Not permitted [†]
B	$\leq 10,000 R^2$	l kour
	$> 10,000 \ {\rm ft}^2$	Not permitted [†]
G	Any size	Net required
D	Anysize	Not required

*Separation in this table refers to separation from laboratory unit(s) to non-laboratesparses and/or separations from laboratory unit(s) of all laboratory work areas within Class A Labs of this classification, and size are not permitted.

5.3.1 Class A, B, and C laboratory units shall be classified as industrial occupancies in accordance with NFPA 101, Life Safety Code.

5.3.3. Instructional laboratories and Class D laboratories shall be classified as business occupancies in accordance with NFPA 101, Life Safety Code.

or Class B laboratory units shall swing in the direction of exit travel.

