

Flammable Liquid Storage Guide

For flammable & combustible liquids
This guide is not intended to be all-inclusive.

Storage Grouping by Flash Point	NFPA Fire Diamond Number	NFPA 30 Classifications	Fire Area Storage Limits	
			Maximum Storage Outside Fire Cabinet	Maximum Storage Inside Fire Cabinet*
Group I (Flammable or Combustible liquids with a flash point of <140°F)	4 3 2 with F.P. <140°F	IA IB IC II	10 Gallons in containers or 25 gallons in safety cans	60 Gallons
Group II (Combustible liquid with a flash point of ³ 140° F and < 200°F)	2 with F.P. ³ 140°F And < 200°F	IIIA	60 Gallons	120 Gallons minus the # of gallons of Group I liquids in Cabinet
Group III (Combustible liquid with a flash point of ³ 200° F)	1	IIIB	No limit	No limit
* Maximum of three fire storage cabinets per fire area.				

1. A maximum of 180 gallons of flammable and combustible liquids with a flash point of < 140°F can be stored in a fire area (room with one-hour fire rated walls and self-closing 20-minute fire rated door). This amount must be stored in the following manner:
 - Not more than 10 gallons located outside a flammable storage cabinet.
 - Not more than 60 gallons in a flammable storage cabinet.
 - Not more than 3 flammable storage cabinets per fire area.
2. In addition to the 180 gallons as stated above, a maximum of 60 gallons of combustible liquids with a flash point ³ 140°F and <200°F can be stored outside of a flammable liquids cabinet.
3. There is no gallon limit to combustible liquids with a flash point of ³ 200°F in a fire area.

NFPA Ratings for Common Solvents			
Chemical Name	Flash Point degrees Fahrenheit	NFPA 30 Classification	NFPA Fire Diamond Number (in the red quadrant)
Acetaldehyde	-38	IA	4
Acetone	-5	IB	3
Acetonitrile	42	IB	3
Acrolein	-15	IB	3
Acrylonitrile	32	IB	3
Benzene	12	IB	3
Carbon Disulfide	-22	IB	3
Chloromethyl Methyl Ether	59	IB	3
Cyclohexane	1	IB	3
1,2 Dimethoxyethane	29	IB	3
Dimethyl Dichloro Silane	<70	IB	3
Dioxane,1-4	54	IB	3
Ethyl Acetate	24	IB	3
Ethyl Alcohol	55	IB	3
Ethyl Ether	-49	IA	4
Ethylene Glycol	232	IIIB	1
Formaldehyde	140	IIIA	2
Glycerol	320	IIIB	1
Heptane	25	IB	3
Hexane	-7	IB	3
Iso Propyl Alcohol	53	IB	3
Methanol	54	IB	3
Methy Benzoate	181	IIIA	2
Methyl Cyclohexane	25	IB	3
Methyl Ethyl Ketone	16	IB	3
Methylsulfoxide	203	IIIB	1
Morpholine	98	IC	3
Naphtha	28	IB	3
Nickel Carbonyl	<-4	IB	3
Pentane	<-40	1A	4
Petroleum Ether	<0	1A	4
Phenethyl Alcohol	205	IIIB	1
Pyridine	68	IB	3
Tetrahydrofuran	1	IB	3
Toluene	40	IB	3

Trimethylamine	-14.8	IA	4
Turpentine	95	IC	3
Xylene	81	IC	3