

Table 13.1: General Requirements for Flammable and Combustible Liquid Storage

ITEM	REQUIREMENTS
14. TRUCKS, FORKLIFTS AND OTHER TRANSPORTATION VEHICLES	<p>i. The permission of usage of industrial trucks in hazardous and classified locations for handling flammable and combustible liquids shall be as per Table 13.1.d., Where</p> <p>a. CN-Compressed natural gas powered vehicle b. CNS-CN vehicle with added safety for exhaust/fuel/electrical systems c. D- A diesel powered vehicle d. DS- D vehicle with added safety for exhaust/fuel/electrical systems e. DX- D vehicle designed for specific flammable vapors/dusts/fibers f. DY- DS vehicle with electrical equipment enclosed, temperature limitation g. E-Electrically powered vehicle h. ES-E vehicle with spark prevention and temperature limitation feature i. EE- ES vehicle with all its motors and electrical equipment enclosed j. EX- E vehicle, designed for specific flammable vapors/dusts/fibers k. G- A gasoline powered vehicle l. GS-A gasoline vehicle, designed for specific flammable vapors/dusts/fibers m. G/CN- A vehicle that operates on either Gasoline or compressed natural gas n. GS/CNS- G/CN vehicle with added safety for exhaust/fuel/electrical systems o. LP- LP Gas powered vehicle p. LPS- LP vehicle with added safety for exhaust/fuel/electrical systems q. GS/LPS- Vehicle that operates on either Gasoline or LP Gas, with added safety for exhaust/fuel/electrical systems</p> <p>ii. The table is derived from NFPA 505. The J and K referred in the table for Civil Defence approval shall be as per vehicle manufacturer's specifications and test certification as per UL 558, Standard for Safety Industrial Trucks, internal combustion Engine powered and UL 583, Standard for Safety Electric- Battery powered Trucks.</p>

Table 13.1.d.: Use of Powered Trucks handling Flammable and Combustible Liquids

LOCATIONS*	CNG-Powered Trucks		Diesel-Powered Trucks				Electrically Powered Trucks				Gasoline-Powered Trucks		LP-Gas-Powered Trucks		Dual Fuel-Powered Trucks			
	CN	CNS	D	DS	DY	DX	E	ES	EE	EX	G	GS	LP	LPS	G/CN	GS/CNS	G/LP	GS/LPS
Class I, Division 1																		
Group A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Group B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Group C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Group D	NA	NA	NA	NA	NA	A	NA	NA	NA	A	NA	NA	NA	NA	NA	NA	NA	NA
Class I, Division 2																		
Group A	NA	NA	NA	NA	K	K	NA	NA	K	K	NA	NA	NA	NA	NA	NA	NA	NA
Group B	NA	K	NA	K	K	K	NA	K	K	K	NA	K	NA	K	NA	K	NA	K
Group C	NA	K	NA	K	K	K	NA	K	K	K	NA	K	NA	K	NA	K	NA	K
Group D	NA	J	NA	J	A	A	NA	J	A	A	NA	J	NA	J	NA	J	NA	J
Class II, Division 1																		
Group E	NA	NA	NA	NA	NA	J	NA	NA	NA	J	NA	NA	NA	NA	NA	NA	NA	NA
Group F	NA	NA	NA	NA	NA	A	NA	NA	NA	A	NA	NA	NA	NA	NA	NA	NA	NA
Group G	NA	NA	NA	NA	NA	A	NA	NA	NA	A	NA	NA	NA	NA	NA	NA	NA	NA
Class II, Division 2																		
Group F	NA	J	NA	J	A	A	NA	J	A	A	NA	J	NA	J	NA	J	NA	J
Group G	NA	J	NA	J	A	A	NA	J	A	A	NA	J	NA	J	NA	J	NA	J
Class III, Division 1																		
Class III, Division 1	NA	J	NA	J	A	A	NA	J	A	A	NA	J	NA	J	NA	J	NA	J
Class III, Division 2																		
Class III, Division 2	NA	A	NA	A	A	A	J	A	A	A	NA	A	NA	A	NA	A	NA	A
Ordinary (Unclassified)																		
Ordinary (Unclassified)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Notes:

(1) A=Type truck authorized for location described

(2) J=Type truck authorized for location described with approval of the authority having jurisdiction

(3) K=Type truck authorized to be determined by the authority having jurisdiction

(4) NA=Type truck not authorized in location described