

**Transportation Requirement Comparisons
For 1.1x Explosives vs. Binary and 1.4x Explosives
Source: Title 49 Code of Federal Regulations, Parts 172, 173, 387 & 397**

	Dynamite (1.1D) Detonators (1.1B) Detonating Cord (1.1D)	Binary Explosives Detonators (1.4B and 1.4S) Detonating Cord (1.4D) ¹
CDL Drivers License with Hazardous Materials Endorsement	Yes For any quantity	No ²
Medical Examiners Certification	Yes	No
Required Insurance Coverage For Vehicles Transporting Explosives	\$5,000,000.00 For any quantity, both interstate and intrastate	No special requirements when transported on a truck with a GVWR under 10,000 lbs., intrastate only ³
U.S. DOT Number Required	Yes	No
U.S. DOT Hazardous Materials Registration Program Participation	Yes For any quantity	No
Vehicle Placarding	Yes For any quantity	No ⁴
Written Travel Route Required On Board	Yes	No
Annual Federal Vehicle Inspection	Yes	No
Transport in Non-sparking Cargo Areas	Yes	Yes ⁵
Vehicle Must Be Attended At All Times	Yes	No
Bill of Lading	Yes	Yes
Emergency Equipment Required On Board • Fire Extinguishers • Spare fuses & bulbs • Triangle reflectors	Yes	Yes
Vehicle Can Be Parked On Highway Right of Way	No	Yes

¹ Detonating cord may be offered for transportation domestically and transported as Cord, Detonating, UN 0289, Division 1.4, Compatibility Group D (1.4D) Explosives, if the explosive content does not exceed 100 grains per linear foot and the gross weight of all packages of detonating cord does not exceed (45 kg) 99 pounds per vehicle. (Source: 49 CFR 173.63)

² A Commercial Drivers License with the Hazardous Materials Endorsement is not required when transporting these explosives in quantities of 1,000 pounds or less. (Exception: Detonating Cord. See footnote # 1). (Source: 49 CFR 397.2 & 49 CFR 172.504)

³ \$1,000,000.00 liability coverage is required on vehicles with a GVWR of 10,000 or more pounds for intrastate commerce. (Source: 49 CFR 387.9)

⁴ Placarding for quantities of 1,000 lbs. or less is not required as specified in Placard Table 2. (Exception: Detonation Cord. See footnote # 1). (Source: 49 CFR 172.504)

⁵ Binary explosives do not need to be placed in non-sparking cargo areas during transportation unless they are armed. Once armed, binary explosives are high explosives and must be treated as a 1.1D explosive with regard to transportation.