



Federation of European Explosives Manufacturers

Technical Guidance Document "Small Articles" *

(*seizes & dimensions are only approximations and may be subject to technical changes & modifications)
(rev. September 2012)

Commission Directive 2008/43/EC, as amended by Directive 2012/4/EU, on setting up, pursuant to Council Directive 93/15/EEC, a system for the identification and traceability of explosives for civil uses

For articles too small to affix the unique product code and logistical information under 1(b) (iii), the information under 1(b) (i), 1(b) (ii) and 2 can suffice. For articles which are too small to affix the information under 1(b) (i), 1(b) (ii) and 2 or where it is technically impossible due to their shape, design or specification to affix a unique identification, a unique identification shall be affixed on each smallest packaging unit, which shall be closed with a seal.

In order to safeguard readability on bent/cylindrical surfaces the type size shall be such that the height of the character "X" is at least 2,1 mm. An object is too small for marking/labelling if the required human-readable identification can not be affixed. Furthermore it is technically impossible to scan/read a bar/matrix code on a bent/cylindrical surface with a diameter of less than 8,5 mm.

Article 7: Plain detonators

Diameters ≥6,5 mm - 9,5 mm	Lengths ≥50 mm - 150 mm	Net Explosive Weights ≥0,125 gram – 2,0 gram	Concerning plain detonators (this would include blasting caps & elemented detonators) with a diameter of ≤ 8,5 mm these shall be marked in a durable way so as to ensure that the information under point 1(b)(i) and (ii) is clearly legible. The number of such detonators contained therein shall be printed on the smallest packaging unit.

Article 9: Boosters

Diameters ≥5 mm - 80 mm	Lengths ≥30 mm - 800 mm	Net Explosive Weights ≥0,06 gram - >5 kg	Boosters of ≤ 8,5 mm shall be marked in a durable way so as to ensure that the information under point 1(b)(i) and (ii) is clearly legible. The number of such boosters contained therein shall be printed on the smallest packaging unit.

Article 10: Detonating cords

Diameters ≥3 - 15 mm	Lengths n/a	Net Explosive Weights ≥0,015 - 1 g/cm	Detonating cords may only be marked every 5 m with the <i>human-readable</i> part and without the ma-

	<p>trix/bar code because it is technically impossible to print and especially to read/scan the matrix/bar code on cylindrical surfaces. For cords of 8,5 mm and below, where it is currently not possible to affix/print and read/scan any information, here the full information should only be attached to the reel or spool and, where applicable the smallest packaging unit. This applies also to special cords (independent of their dimensions) with textile and other surfaces where it is technically impossible to print or stick labels on.</p>
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