


LIQUIDS
 **1H2/Y1.5 / 30 / 02**
USA / M0000

UN Mark, Liquids

178.503 Marking of Packagings (For Reference Only)



The United Nations symbol as illustrated in paragraph (e)(1) of this section (for embossed metal receptacles, the letters UN may be applied in place of the symbol);

1H2

(2) A packaging identification code designating the type of packaging, the material of construction and, when appropriate, the category of packaging under §§178.504 through 178.523 of this subpart within the type to which the packaging belongs. The letter ``V" must follow the packaging identification code on packagings tested in accordance with §178.601(g)(2); for example, ``4GV". The letter ``W" must follow the packaging identification code on packagings when required by an approval under the provisions of §178.601(h) of this part;

Y1.5

(3) A letter identifying the performance standard under which the packaging design type has been successfully tested, as follows:

- 178.503(a)(3)(i) X-for packagings meeting Packing Group I, II and III tests;
- 178.503(a)(3)(ii) Y-for packagings meeting Packing Group II and III tests; or
- 178.503(a)(3)(iii) Z-for packagings only meeting Packing Group III tests;

(4) A designation of the specific gravity or mass for which the packaging design type has been tested, as follows:

- 178.503(a)(4)(i) For packagings without inner packagings intended to contain liquids, the designation shall be the specific gravity rounded down to the first decimal but may be omitted when the specific gravity does not exceed 1.2; and
- 178.503(a)(4)(ii) For packagings intended to contain solids or inner packagings, the designation shall be the maximum gross mass in kilograms;

30 (5)(i) **For single and composite packagings intended to contain liquids,** the test pressure in kilopascals rounded down to the nearest 10 kPa of the hydrostatic pressure test that the packaging design type has successfully passed;

02 (6) **The last two digits of the year of manufacture.** Packagings of types 1H and 3H shall also be marked with the month of manufacture in any appropriate manner; this may be marked on the packaging in a different place from the remainder of the markings

USA (7) **The state authorizing allocation of the mark.** The letters 'USA' indicate that the packaging is manufactured and marked in the United States in compliance with the provisions of this subchapter;

M0000 (8) **The name and address or symbol of the manufacturer or the approval agency certifying compliance** with subpart L and subpart M of this part. Symbols, if used, must be registered with the Associate Administrator;

Additional Markings:

178.503(a)(9) For metal or plastic drums or jerricans intended for reuse or reconditioning as single packagings or the outer packagings of a composite packaging, the thickness of the packaging material, expressed in millimeters (rounded to the nearest 0.1 mm), as follows:

178.503(a)(9)(i) Metal drums or jerricans must be marked with the nominal thickness of the metal used in the body. The marked nominal thickness must not exceed the minimum thickness of the steel used by more than the thickness tolerance stated in ISO Standard 3574. (See Appendix C of this part.) The unit of measure is not required to be marked. When the nominal thickness of either head of a metal drum is thinner than that of the body, the nominal thickness of the top head, body, and bottom head must be marked (eg., "1.0-1.2-1.0" or "0.9-1.0-1.0").

178.503(a)(9)(ii) Plastic drums or jerricans must be marked with the minimum thickness of the packaging material. Minimum thicknesses of plastic must be as determined in accordance with §173.28(b)(4). The unit of measure is not required to be marked;

178.503(a)(11) Rated capacity of the packaging expressed in liters may be marked.