

UN MARKINGS

Packaging Identification Codes	
Numeral (1-7)=Type of Packaging	
1=Drum	2=Wooden Barrel
3=Jerrican	4=Box
5=Bag	6=Composite Packaging
7=Pressure Receptacle	
Capital Letter=Material of Construction	
A=Steel	B=Aluminum
C=Natural Wood	D=Plywood
F=Reconstructed Wood	G=Fiberboard
H=Plastic	L=Textile
M=Paper, multi-wall	N=Other Metal
P=Glass, Porcelain, Stoneware	
Number=Subcategory of Packaging	
For Drums: 1=Non-removable Head 2=Removable Head	
For Bags: 5M1=Multiwall 5M2=Multiwalled, water-resistant	

The number/letter combination indicates the type of packaging and material of construction. The chart listed above shows what each letter and number combination would mean.



United Nations Symbol



4G/X 3 / S / 11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

The UN in the circle indicates packaging has been UN tested and certified.

Packaging Identification Codes



4G/X 3 / S / 11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

Any one of the following three styles represents an example of the kind of packaging identification code that may be shown on a UN packaging.

1) There may be a number-letter combination indicating a type of packaging and material of construction. For example:

4G = Fiberboard box

2D = Plywood wooden barrel

2) There may be a number-letter-number combination indicating the type of packaging, material of construction and a subcategory within the type of packaging or variation. For example:

1A1 = Non-removable head steel drum

4GV = Fiberboard box variation packaging

3) The description may also show a number-letter-letter-number combination. This mark includes the number six indicating a composite type of packaging, two letters, the first indicating the inner receptacle's material and the second letter indicating the outer material and a second number indicating the type of packaging (not a subcategory). For example:

6HA1 Composite packaging consisting of a plastic inner, steel outer, drum.

6CD4 Composite packaging consisting of a natural wood inner, plywood outer, box.

Packing Group Level Equivalent



4G/X3 / S / 11/USA /LM0000

1A1/X1.5/250/11/USA/LM0000

The letter X, Y or Z indicates what packing group the package was tested to.

X=Packing Group I

Y=Packing Group II

Z=Packing Group III

Highest Degree of Danger

Medium Degree of Danger

Lowest Degree of Danger

Under the regulations, if a packaging has been tested to the highest degree of danger, it may be appropriate to place materials in that packaging which have a lower hazard.

Therefore, the following is also correct:

X=Packing Group I, II, III

Y=Packing Group II, III

Z=Packing Group III

Gross Mass or Specific Gravity



4G/X 3 / S / 11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

For single or composite packagings intended to contain solids or combination packagings for all materials, the mark will include the maximum gross mass (kilograms) that the package can

weigh when filled (packaging plus its contents).

For liquid hazardous materials in single or composite packagings, the mark will contain the maximum specific gravity allowable for that packaging.

Example of UN Marking for Solid Hazardous Materials in Single or Composite Packagings or Combination Packagings for All Materials



4G/X3/S/11/USA/LM0000

UN Symbol Packaging Identification Code Packing Group Level Equivalent Year of Manufacture Location of Manufacture Certification Mark/Manufacturer's Symbol

Gross Mass In Kilograms Solids or Inner Packagings

Example of UN Marking for Liquid Hazardous Materials Single or Composite Packaging



1A1/X1.5/250/11/USA/LM0000

Specific Gravity Hydrostatic Test Pressure

Hydrostatic Test Pressure Or S

4G/X3/S/11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

For single or composite packagings intended to contain solids or combination packagings for all materials, the mark will include the maximum gross mass (kilograms) that the package can weigh when filled (packaging plus its contents). For liquid hazardous materials in single or composite packagings, the mark will contain the hydrostatic pressure the container was tested to.

Liquid Hazardous Materials Single or Composite Packaging	Solid Hazardous Materials Single or Composite Packagings or Combination Packagings for All Materials
Specific Gravity	Gross Mass in Kilograms
Hydrostatic Test Pressure	S
Examples	
1.5/100	15/S
1A1/X1.7/250	4G/X4/S

Year and Location of Manufacture

4G/X3/S/11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

The marking must indicate the last two digits of the year of manufacture.

The symbol of the country where the manufacturing took place must be listed in the mark. For packaging produced in the United States, the mark would show USA.

Identification of the Manufacturer or Approval Agency

4G/X3/S/11/USA/LM0000

1A1/X1.5/250/11/USA/LM0000

The identification of the party who is certifying that the packaging meets all of the required testing must be included in the mark.

This may be shown in the form of a name and address, symbol of the manufacturer or code of the agency certifying compliance. If a symbol or code is used, both must be registered with RSPA.

