

WELCOME TO THE WORLD OF UN PACKAGING

1 = Drum
2 = Wooden Barrel
3 = Jerrican
4 = Box

5 = Bag
6 = Composite Packaging
7 = Pressure Receptacle

A = Steel
B = Aluminum
C = Natural Wood
D = Plywood

F = Reconstructed Wood
G = Fiberboard
H = Plastic
L = Textiles

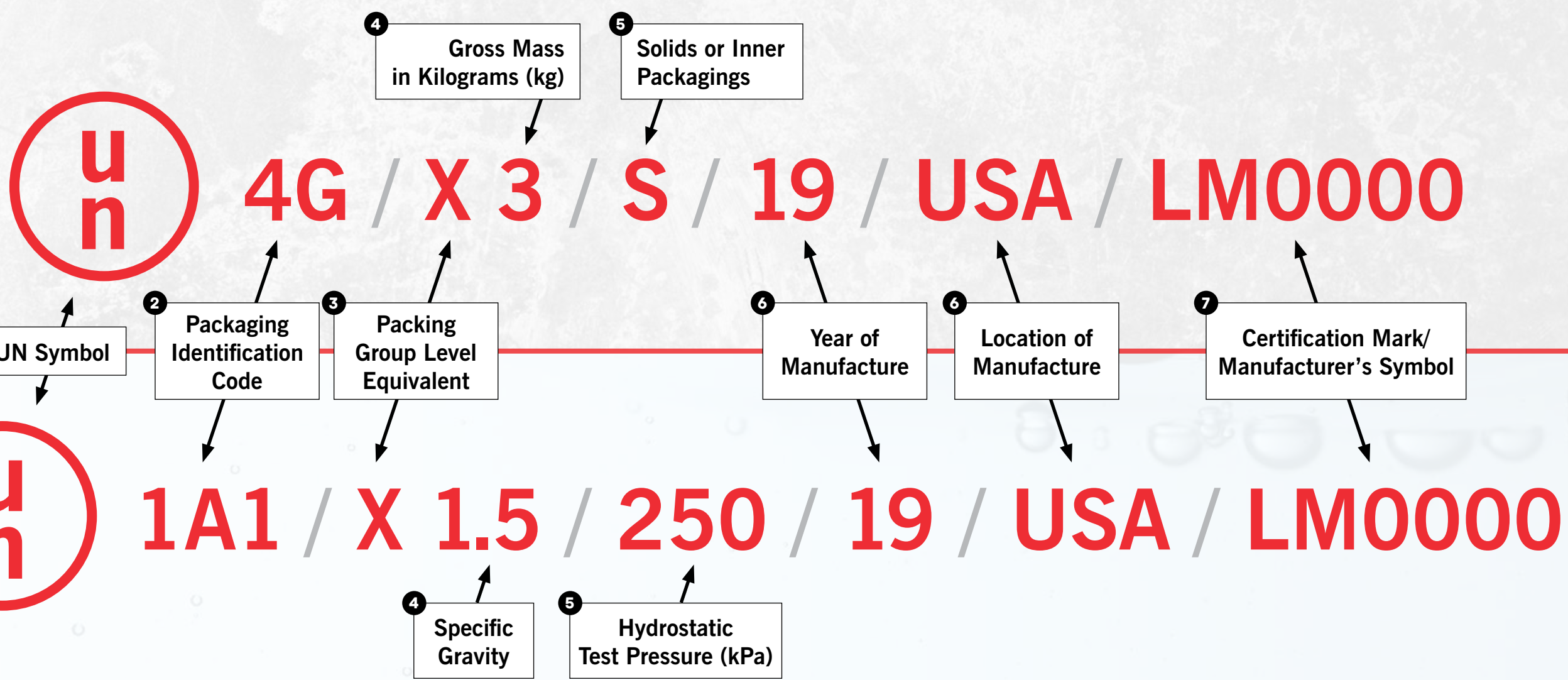
M = Paper, Multiwall
N = Other Metal
P = Glass, Porcelain, Stoneware

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.

SOLID HAZARDOUS MATERIALS

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



LIQUID HAZARDOUS MATERIALS

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

Simplified examples for education purposes. UN certified combination packages exist for shipping solid and liquid materials in a variety of outer packaging material types.

1 UNITED NATIONS SYMBOL

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / USA / LM0000

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

2 PACKAGING IDENTIFICATION CODES

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / 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:
4D = Plywood crate
2D = Plywood wooden barrel

2) There may be a number-letter 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 II 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

3 PACKING GROUP LEVEL EQUIVALENT

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / USA / LM0000

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

X = Packing Group I Highest Degree of Danger
Y = Packing Group II Medium Degree of Danger
Z = Packing Group III 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

4 GROSS MASS OR SPECIFIC GRAVITY

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / 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.

5 HYDROSTATIC TEST PRESSURE OR S

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / USA / LM0000

For single or composite packagings intended to contain solids or combination packagings for all materials, the mark will include a capital S. For liquid hazardous materials in single or composite packagings, the mark will contain the hydrostatic pressure the container was tested to.

6 YEAR AND LOCATION OF MANUFACTURE

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / 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.

7 IDENTIFICATION OF THE MANUFACTURER OR APPROVAL AGENCY

4G / X 3 / S / 19 / USA / LM0000
 1A1 / X 1.5 / 250 / 19 / 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 PHMSA.

A LEGACY OF RELIABILITY



IT'S MORE THAN A BOX

Our packaging is designed and tested to be used with a wide variety of regulated materials.



ONLINE EXPERIENCE

We provide closure instructions and testing documentation on all UN packages as well as 360° spin photos of our most popular packaging.



CUSTOM DESIGN

Our team of product engineers can create the best solution for your needs, all while staying compliant.