

UN/HAZMAT Markings Guide

The storage and transportation of hazardous materials (HAZMAT) is regulated by federal and international law. A standardized marking system has been developed for HAZMAT packaging that indicates what type and how much of a material may be contained within a package.

Reading a UN Marking

A sample UN/HAZMAT packaging mark with an explanation of each part's significance: **UN 1A2 / Y2.0 / 100 / 12 / USA / M4460**



United Nations Symbol can be displayed in one of two methods:

1. A lower-case "u" over a lower case "n" in a circle
 2. Upper-case "UN"
- Either signifies that a container is UN performance packaging.

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Type of Container

1. Drums/Pails
2. Wooden Barrels
3. Jerricans
4. Boxes
5. Bags
6. Composite Packagings
7. Pressure Receptacles

A

Material of Construction

- | | | | |
|-----------------|-----------------------|----------------------|----------------------------------|
| A. Steel | D. Plywood | H. Plastic | N. Metal (not Steel or Aluminum) |
| B. Aluminum | F. Reconstituted Wood | L. Textile | P. Glass, Porcelain or Stoneware |
| C. Natural Wood | G. Fiberboard | M. Paper, Multi-wall | |

2

Packaging Head

1. Tighthead/Closedhead (non-removable head)
2. Openhead (head can be removed)

Y

Performance Level

- X. High Hazard Level – Can be used for Groups I, II and III
- Y. Medium Hazard Level – Can be used for Groups II and III
- Z. Low Hazard Level – Can be used for Group III

2.0

Specific Gravity (maximum) for liquids or **Gross Mass** (maximum) in kilograms for solids

100

Hydrostatic Pressure (maximum) in kilopascals for liquids or **"S"** (without quotes) to indicate the packaged material is a solid

12

Year of Manufacture

USA

Country of Manufacture

MXXX or +AAXXX

Code for Manufacturer or UN Certifying Agency

Product Compatibility Disclaimer

As stated in Title 49 Code of Federal Regulations, §173.22, Product and Container compatibility is the sole responsibility of the shipper. Pipeline Packaging assumes no responsibility for product compatibility testing and selection of a proper container, and makes no representations as to product and container compatibility upon sampling or sale. Also, proper compliance with pail closing instructions as provided by Pipeline Packaging is the sole responsibility of the shipper.



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