


The following recommendations concerning marking of approved packaging for dangerous goods are based on the dangerous goods regulations for land transportation (RID/ADR Part 6, Chapter 6.1, Section 6.1.2 bis 6.1.3) and customer specific requirements (e.g. recycling mark, packaging number, marking on lid). They are means for a harmonized approach.

Instead of the Symbol  the letters UN may be used for metal packaging with embossed markings.

The pictures are examples.

To prevent mixing up of packaging made out of plastics which are suitable to be used in explosion hazardous areas and those which are not, a uniform and if possible durable marking showing the approval for the use in explosion hazardous areas and if necessary additional labels with safety instructions for a proper handling of the packaging are recommended.

## Marking of approved packaging for dangerous goods

Containers with bung-hole 1A1 / 1B1



Marking	Least type height for nominal volume 5 - 30 L and > 30 L		Positioning and way of marking
	6 mm	12 mm	
1. Full UN-marking Date of manufacture Recycling mark Packaging-No.	6 mm 6 mm	12 mm 12 mm	Embossed or printed on body or on top Embossed or printed near by UN-marking
2. Part of UN marking, incl. year of production		12 mm	Embossed on underbody for nominal capacity > 100L
3. Nominal sheet thickness for containers > 100L		12 mm	Embossed on underbody clearly separated from UN-marking

Example:  $\text{\textcircled{un}}$  1A1 / X1.4 / 250 / 04 / NL / HST 123

Containers with removable lid 1A2 / 1B2



Marking	Least type height for nominal volume 5 - 30 L and > 30 L		Positioning and way of marking
	6 mm	12 mm	
1. Full UN-marking Date of manufacture Recycling mark Packaging-No	6 mm 6 mm	12 mm 12 mm	Embossed or printed on body Near by UN-marking
2. Part of UN marking, incl. year of production		12 mm	Embossed on bottom for nominal capacity > 100L
3. Part-marking Land abbreviation/ Registration No. or Land abbreviation/ Manufacturers acronym according to approval	6 mm	12 mm	Embossed on lid
4. Nominal sheet thickness for containers > 100L		12 mm	Embossed clearly separated from UN-marking on bottom

For drums 1A2/1B2 made out of drums 1A1/1B1 the new lids are to be embossed with marking like 2.

Example:  $\begin{pmatrix} u \\ n \end{pmatrix}$  1A2 / Y 200 / S / 04 / NL / HST / 123

Canisters 3A1



Canisters 3A2



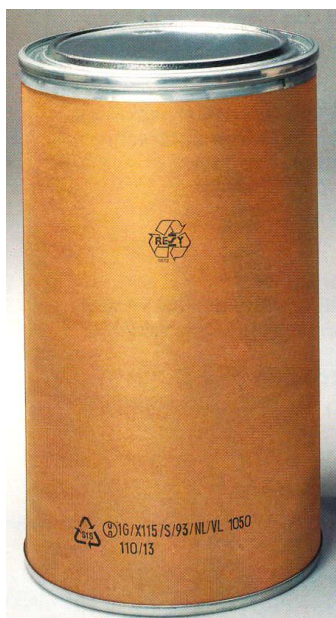
Marking	Least type height for nominal volume		Positioning and way of marking
	5 - 30 L	> 30 L	
1. Full UN-marking Date of manufacture Packaging-No	6 mm	12 mm	Embossed or printed on body or on top
2. 3A2: Part-marking Land abbreviation/ Registration No. or Manufacturers acronym according to approval	6 mm	12 mm	Embossed on lid

Example:  $\begin{pmatrix} u \\ n \end{pmatrix}$  3A1 / Y 1.3 / 150 / 04 / NL / HST / 123

Example:  $\begin{pmatrix} u \\ n \end{pmatrix}$  3A2 / Y 15 / S / 04 / NL / HST / 123

## Marking of approved packaging for dangerous goods

Container with removable lid 1D / 1G



Marking	Least type height for nominal volume		Positioning and way of marking
	5 - 30 L	> 30 L	
1. Full UN-marking Date of manufacture Recycling mark Packaging-No	6 mm 6 mm	12 mm 12 mm	Embossed or printed on body Near by UN-marking
2. 3A2: Part-marking Land abbreviation/ Registration No. or Manufacturers acronym according to approval	6 mm	12 mm	Embossed on lid

Example:  $\begin{pmatrix} u \\ n \end{pmatrix}$  1G / Y 200 / S / 04 / NL / HST / 123

Containers with bung-hole 1H1 / 3H1



Marking	Least type height for nominal volume 5 - 30 L and > 30 L		Positioning and way of marking
	6 mm	12 mm	
1. Full UN-marking Recycling mark Packaging-No. Date dial (1H1) Date dial (3H1)	6 mm 6 mm 6 mm	12 mm 12 mm 12 mm	Embossed on body  Embossed on top Embossed on top or on body
2. Date dial			Embossed in closure

Example:  $\text{\textcircled{un}}$  3H1 / Y 1.4 / 150 / 04 / NL / HST / 123

**VPA 6**  
**Marking of approved packaging for dangerous goods**

Status: January 2012

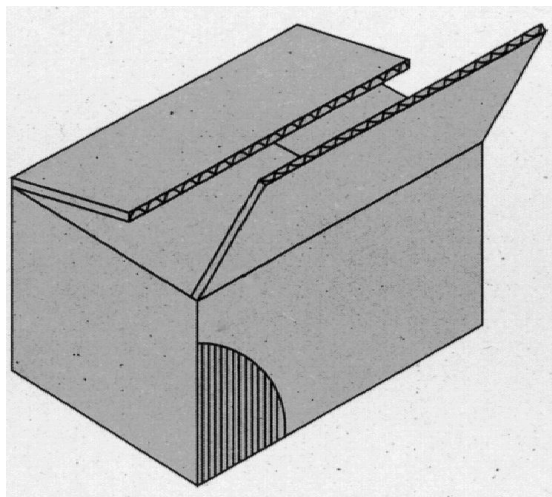
Container with removable lid 1H2 / 3H2



Marking	Least type height for nominal volume		Positioning and way of marking
	5 - 30 L	> 30 L	
1. Full UN-marking Packaging-No Date dial	6 mm	12 mm	Embossed on body
2. Part-marking Land abbreviation/ Registration No. or Land abbreviation/ Manufacturers acronym according to approval Date dial	6 mm	12 mm	Embossed on lid
3. Recycling mark			Embossed on bottom or body

Example:  $\textcircled{\text{u}}_{\text{n}}$  1H2 / Y 145 / S / 04 / NL / HST / 123

Boxes 4A / 4B / 4C1 / 4C2 / 4D / 4G / 4H2

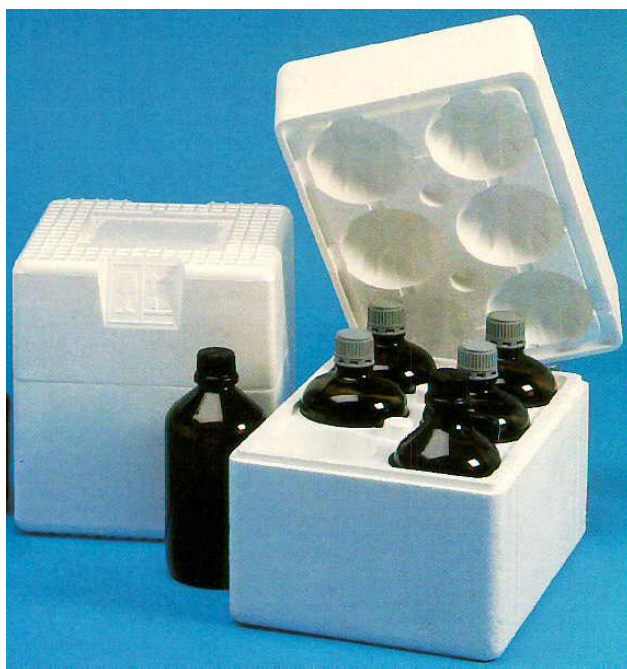


<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
Full UN-marking Packaging-No	12 mm	Embossed or printed on side

Example:  $\textcircled{\begin{matrix} u \\ n \end{matrix}}$  4G / Y 45 / S / 04 / NL / HST / 123



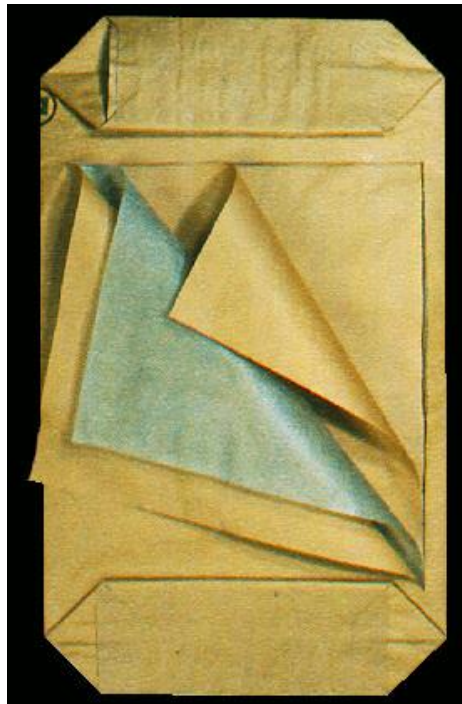
Boxes 4H1



<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
1. Full UN-marking Date of manufacture Recycling mark Packaging-No	12 mm 12 mm	Embossed or printed on lid (or bottom) Near by UN marking
2. Part-marking Land abbreviation/ Registration No. or Land abbreviation/ Manufacturers acronym according to approval	12 mm	Embossed or printed on bottom (or lid)

Example:  $\begin{pmatrix} u \\ n \end{pmatrix}$  4H1 / Y 20 / S / 04 / NL / HST / 123

Sacks 5H1 / 5H2 / 5H3 / 5H4 / 5L1 / 5L2 / 5L3 / 5M1 / 5M2



<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
Full UN-marking Date of manufacture Packaging-No.	12 mm 12 mm	Printed on front Printed clearly separated from marking on front

Example:  $\textcircled{\text{u}}_{\text{n}}$  5M2 / Y 20 / S / 04 / NL / HST / 123

Composite packaging with codes:

6HA1, 6HA2, 6HB1, 6HB2, 6HC, 6HD1, 6HD2, 6HG1, 6HG2, 6HH1, 6HH2 / 6PA1, 6PA2,  
6PB1, 6PB2, 6PC, 6PD1, 6PD2, 6PG1, 6PG2, 6PH1, 6PH2.



For composite packaging the same fixations apply to, as prescribed for the respective corresponding outer packaging.

Steel IBC 11A, 21A, 31A



<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
1. Full UN-marking Packaging-No.	12 mm	Durable and legible
2. Other details according to Chapter 6.5 RID/ADR		

Example: UN 11A / Y / 0204 NL / Herst 007 / 5500 / 1500

Combination IBC with plastic inliner 11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1, 31HZ2



<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
1. Full UN-marking Packaging-No.	12 mm	Durable and legible in the area of marking plate
2. Part-marking according to 6.5.2.2.4 ADR	12 mm	Durable, marking good visibly on front of the inner container or on top
3. Date dial		Durable, marking good visibly on the inner container. Is allowed alternative for the date of manufac- ture for full- and part marking

Example: UN 31HA1/Y/0504D/BAM 007-Herst/1683/10800/1200

Flexible IBC 13H1,13H2,13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13 M1, 13M2



<b>Marking</b>	<b>Least type height</b>	<b>Positioning and way of marking</b>
1. Full UN-marking	12 mm	Printed on body or on sewed on label
2. Part-marking according to ISO 218988:2004	6 mm	Printed on sewed on label

Example: UN 13H3 / Z / 0304 F / Herst 1713 / 0 / 1500