

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

**Sub-Committee of Experts on the Globally Harmonized
System of Classification and Labelling of Chemicals**

25 April 2023

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Item 2 (j) of the provisional agenda

**Work on the Globally Harmonized System of Classification
and Labelling of Chemicals: Practical labelling issues**

Revision of examples 1 to 7 in annex 7

**Transmitted by the European Chemical Industry Council (Cefic)
on behalf of the informal working group**

This informal document sets out the changes to examples 1 to 7 in annex 7 of the GHS as proposed in document ST/SG/AC.10/C.4/2023/5.

Existing (unchanged) text is shown in black; new text is underlined; deleted text is ~~crossed-out~~.

Amendments to annex 7 of the GHS (examples 1 to 7)

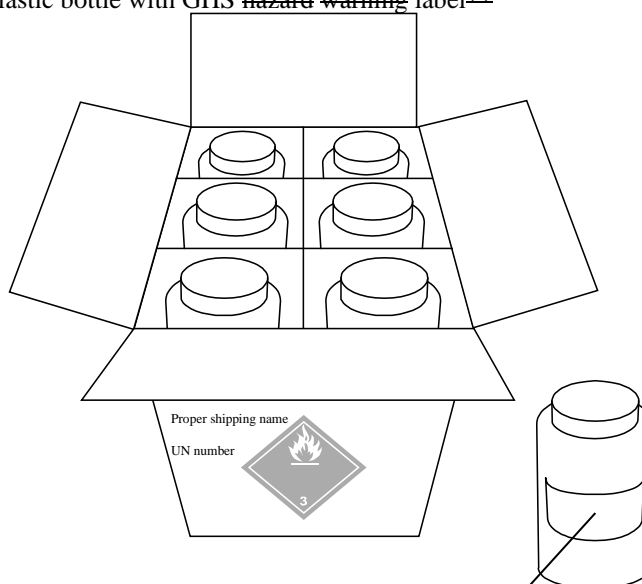
“Examples of arrangements of the GHS label elements

The following examples are provided for illustrative purposes by arranging the GHS label elements in accordance with sections 1.4.10.4 and 1.4.10.5 and are subject to further discussion and consideration by the GHS Sub-Committee.

Example 1: Combination packaging for a chemical with the classification: Flammable liquid Category 2 flammable liquid

Outer Packaging: Box with a Class 3: flammable liquids transport label*

Inner Packaging: Plastic bottle with GHS ~~hazard warning~~ label**



Product identifier (see 1.4.10.5.2 (d))



SIGNAL WORD (see 1.4.10.5.2 (a))

Hazard statements (see 1.4.10.5.2 (b))

Precautionary statements (see 1.4.10.5.2 (c) and Annex 3 sections 2 and 3)

Additional Supplemental information as allowed or required by the competent authority as appropriate (see 1.4.10.5.4.2)

Supplier identification (see 1.4.10.5.2 (e))

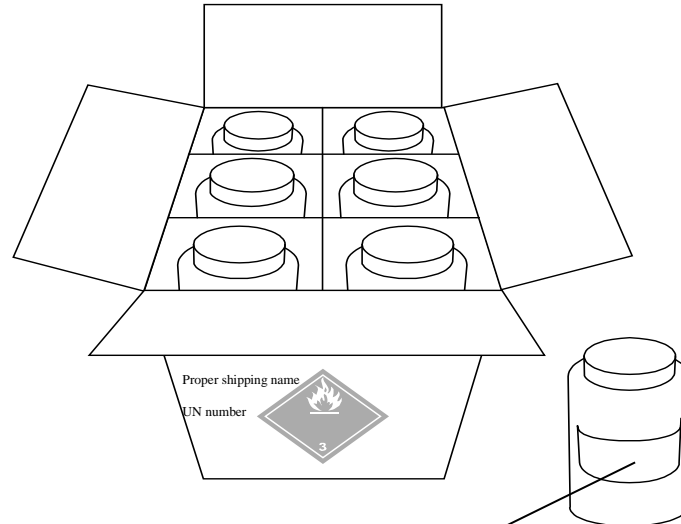
* Only the ~~UN~~-transport markings and labels as specified in the UN Model Regulations are required for outer packagings.

** ~~A flammable liquid (pictogram) as specified in the “UN Model Regulations” may be used in place of the GHS pictogram shown on the inner packaging label.~~

Example 2: Combination packaging for a chemical with the classification: Flammable liquid Category 2 and Specific target organ toxicity - single exposure Category 1

Outer Packaging: Box with a Class 3: flammable liquids transport label*

Inner Packaging: Plastic bottle with ~~hazard warning~~ GHS label**



Product identifier (see 1.4.10.5.2 (d))



SIGNAL WORD (see 1.4.10.5.2 (a))

Hazard statements (see 1.4.10.5.2 (b))



Precautionary statements (see 1.4.10.5.2 (c) and Annex 3 sections 2 and 3)

~~Additional Supplemental~~ information as allowed or required by the competent authority as appropriate (see 1.4.10.5.4.2).

Supplier identification (see 1.4.10.5.2 (e))

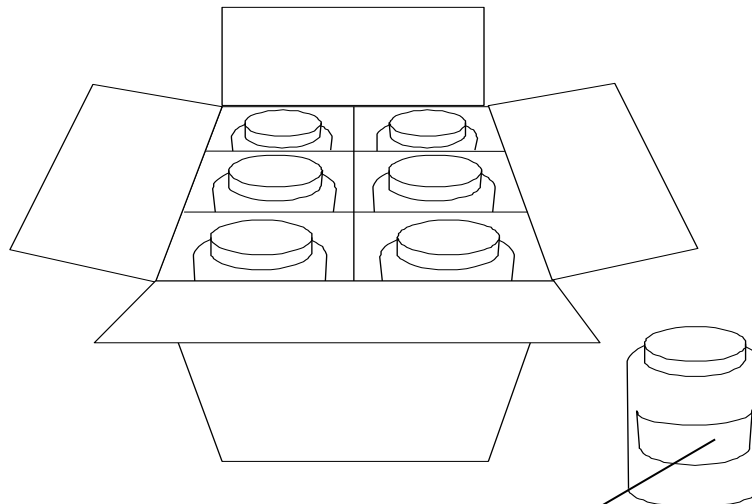
* Only the UN-transport markings and labels as specified in the UN Model Regulations are required for outer packagings.

** A flammable liquid (pictogram) as specified in the UN Recommendations on the Transport of Dangerous Goods, Model Regulations may be used in place of the GHS pictogram shown on the inner packaging label.


Example 3: Combination packaging for a chemical with the classification: Skin corrosion/irritation Category 2 and Serious Eye damage/Eye irritation Category 2A

Outer Packaging: Box with no transport label (not required)*

Inner Packaging: Plastic bottle with GHS hazard warning label



Product identifier (see 1.4.10.5.2 (d))



SIGNAL WORD (see 1.4.10.5.2 (a))

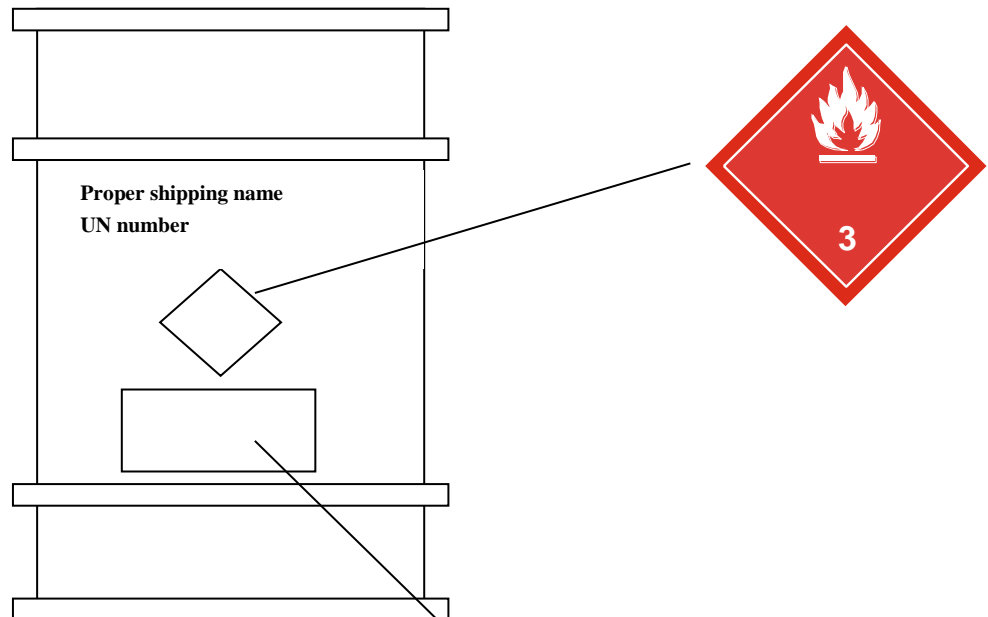
Hazard statements (see 1.4.10.5.2 (b))

Precautionary statements: (see 1.4.10.5.2 (c) and Annex 3 sections 2 and 3)
Additional Supplemental information as allowed or required by the competent authority as appropriate (see 1.4.10.5.4.2).

Supplier identification (see 1.4.10.5.2 (e))

* Some competent authorities may require a GHS label on the outer packaging *in the absence of a transport label*.

Example 4: Single packaging (200 l drum) for a chemical with the classification: Flammable liquid Category 2 flammable liquid



Product identifier (see 1.4.10.5.2 (d))

SIGNAL WORD (see 1.4.10.5.2 (a))

Hazard statements (see 1.4.10.5.2 (b))

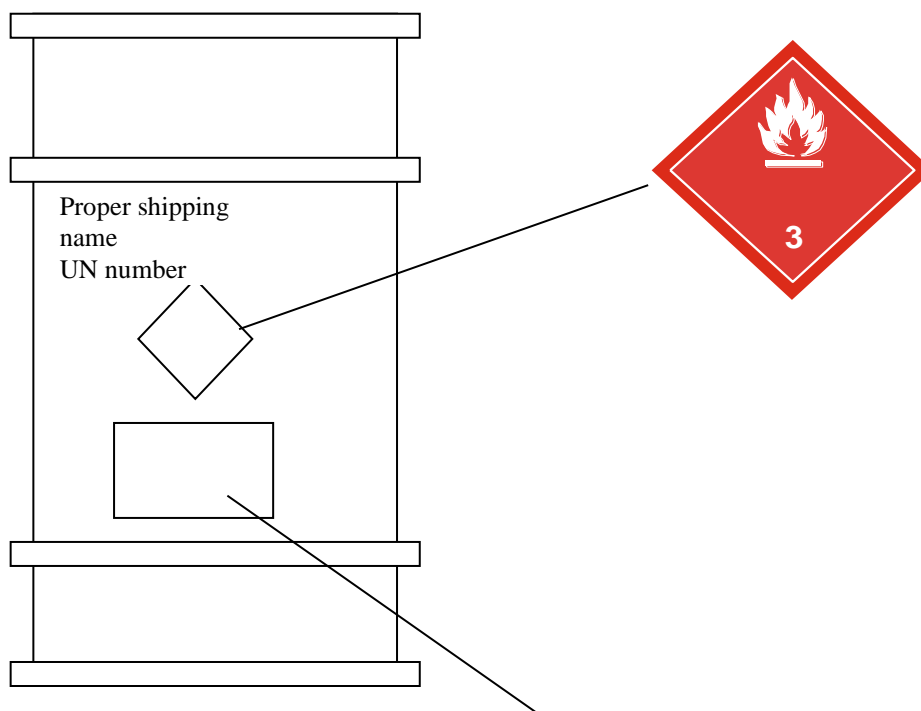
Precautionary statements: (see 1.4.10.5.2 (c) and annex 3 sections 2 and 3)

Additional Supplemental information as allowed or required by the competent authority as appropriate (see 1.4.10.5.4.2).

Supplier identification (see 1.4.10.5.2 (e))

Note: The GHS label and the Class 3: flammable liquids pictogram (commonly referred to as label in transport regulations, see 1.4.10.4) as well as any other markings required by the UN Model Regulations may also be presented in a combined format (see also example 7).

Example 5: Single packaging for a ~~Category 1 Specific target organ toxicant~~ and ~~category 2 Flammable liquid~~ chemical with the classification: Flammable liquids Category 2 and Specific target organ toxicity - repeated exposure Category 1



Product identifier (see 1.4.10.5.2 (d))



SIGNAL WORD (see 1.4.10.5.2 (a))

Hazard statements (see 1.4.10.5.2 (b))

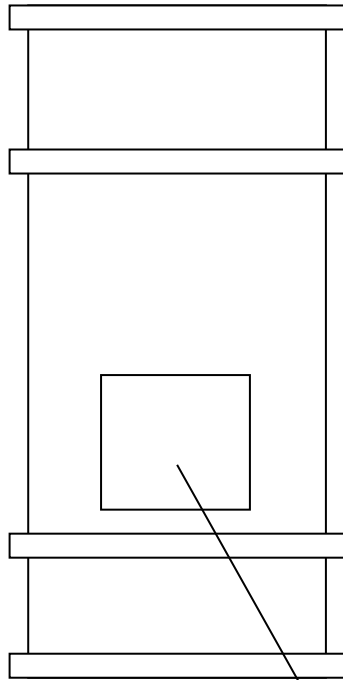
Precautionary statements (see 1.4.10.5.2 (c) and annex 3 sections 2 and 3)

Additional Supplemental information as allowed or required by the competent authority as appropriate (see 1.4.10.5.4.2).

Supplier identification (see 1.4.10.5.2 (e))

Note: Note: The GHS label and the Class 3: flammable liquids pictogram (commonly referred to as label in transport regulations, see 1.4.10.4) as well as any other markings required by the UN Model Regulations may also be presented in a combined format (see also example 7).

Example 6: Single packaging for a chemical with the classification ~~Category 2~~ Skin corrosion/ irritation Category 2 and ~~Category 2A~~ Serious eye damage/eye ~~irritant-irritation~~ Category 2A



Product identifier (see 1.4.10.5.2 (d))



SIGNAL WORD (see 1.4.10.5.2 (a))

Hazard statements (see 1.4.10.5.2 (b))

Precautionary statements (see 1.4.10.5.2 (c) and annex 3 sections 2 and 3)

~~Additional~~ Supplemental information as allowed or required by the competent authority as appropriate. (see 1.4.10.5.4.2).

Supplier identification (see 1.4.10.5.2 (e))

Example 7: Additional guidance when transport and other GHS information appear on single packagings.

- (a) Where transport and other GHS information appear on a single packaging (~~e.g. a 200 l drum~~), consideration must be given to ensure that the label elements are placed in a manner that addresses the needs of the different sectors. The GHS pictogram does not appear on the GHS label when a transport label for the same hazard is already used (see 1.4.10.5.1);
- (b) Transport labels ~~pictograms~~ must convey information immediately in an emergency situation. They must be able to be seen from a distance, as well as in conditions that are smoky or otherwise partially obscure the package;
- (c) ~~The Transport-related pictograms~~ labels are distinct in appearance from pictograms intended solely for non-transport purposes which helps to distinguish them;
- (d) ~~The Transport labels pictograms~~ may be placed on a separate panel of a GHS label to distinguish them from the other information or may be placed adjacent to the other GHS information on the packaging;
- (e) The pictograms may be distinguished by adjusting their size. Generally speaking, the size of the non-transport pictograms should be proportional to the size of the text of the other label elements. This would generally be smaller than the transport labels (the size of which is internationally regulated) ~~related pictograms~~, but such size adjustments should not affect the clarity or comprehensibility of the non-transport pictograms;

Following is an example of how such a label may appear for a chemical in a 200 l drum for transport and use in the workplace.

This example is not intended to cover all specific requirements which may have been included in national legislation implementing the GHS nor all possible supplemental information which may be voluntarily included (e.g. 'Directions of use' or 'Filling weight') or which may be required by some competent authorities. It takes account of the required basic GHS label information as described in section 1.4.10.

Single packaging using 3 adjacent panels to convey multiple hazards: A mixture with the classification, Flammable liquid Category 2; Acute toxicity (inhalation) Category 4, and (c) Specific target organ toxicity - repeated exposure Category 2.

PRODUCT identifier (see 1.4.10.5.2 (d))

Supplier identification ((see 1.4.10.5.2 (e))

Expiration date:



Danger



**Highly flammable liquid and vapour.
Harmful if inhaled.
May cause liver and kidney damage through prolonged or repeated exposure.**

Keep container tightly closed.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep cool.
Ground and bond container and receiving equipment.
Use explosion-proof ventilating equipment.
Use non-sparking tools.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water or shower.
In case of fire: Use dry chemical or carbon dioxide to extinguish.
Take action to prevent static discharges.
Use only outdoors or in a well-ventilated area.
Do not breathe mist, vapours or spray.
Wear protective gloves, protective clothing, eye protection and face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get medical help.
Dispose of contents/container to the municipal collection point in accordance to local/national regulations.



UN number
Proper shipping name

