

# GHS LABELING GUIDE

United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

## GHS LABEL ELEMENTS



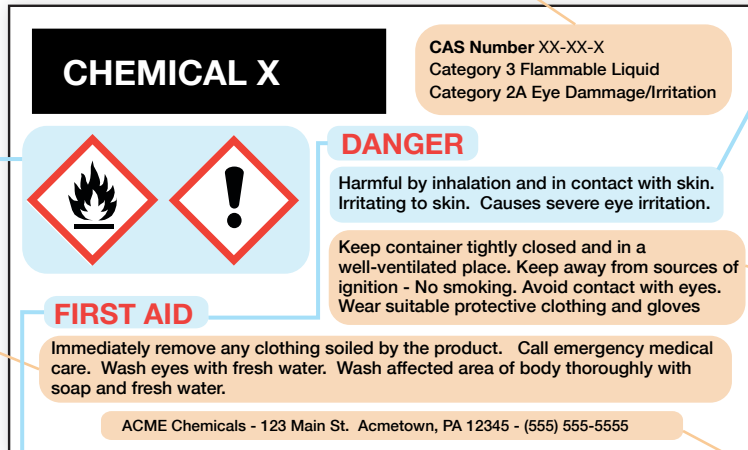
GHS STANDARDIZED LABEL ELEMENTS



OTHER GHS LABEL ELEMENTS

**Product Identifier (ingredient disclosure):** Name or number used for a hazardous product on a label or in the SDS.

**Symbols (hazard pictograms):** Convey health, physical and environmental hazard information, assigned to a GHS hazard class and category.



**Hazard Statements:** Standard phrases assigned to a hazard class and category that describe the nature of the hazard.

**Supplemental information:** non-harmonized information.

**Precautionary Statements and Pictograms:** Measures to minimize or prevent adverse effects.

**Signal Words:** "Danger" or "Warning" are used to emphasize hazards and indicate the relative level of severity of the hazard, assigned to a GHS hazard class and category.

**Supplier identification:** The name, address and telephone number should be provided on the label.

The prescribed symbols, signal words, and hazard statements can be readily selected from **Annex 1 of the GHS Purple Book**. These standardized elements are not subject to variation, and should appear on the GHS label as indicated in the GHS for each hazard category or class in the system. The use of symbols, signal words or hazard statements other than those that have been assigned to each of the GHS hazards would be contrary to harmonization.

## GHS Pictograms and Hazard Classes



Oxidizers



Flammables  
Self Reactives  
Pyrophorics  
Self-Heating  
Emits Flammable Gas  
Organic Peroxides



Explosives  
Self Reactives  
Organic Peroxides



Acute toxicity  
(severe)



Corrosives



Gases Under  
Pressure



Carcinogen  
Respiratory Sensitizer  
Reproductive Toxicity  
Target Organ Toxicity  
Mutagenicity  
Aspiration Toxicity



Environmental  
Toxicity



Irritant  
Dermal Sensitizer  
Acute toxicity (harmful)  
Narcotic Effects  
Respiratory Tract  
Irritation

## Transport Pictograms

\* For the class on explosives, "\*" is to be replaced by the indication of the compatibility group or to be left blank if explosive is the subsidiary risk.  
\*\* symbol, number and border line may be either black or white



• Flammable Liquid  
• Flammable Gas  
• Flammable Aerosol  
\*\*



Substances, which in contact with water, emit flammable gases (Dangerous When Wet)  
\*\*



Explosive Division 1.4 (additional pictograms for 1.5 and 1.6)



Corrosive



• Flammable Solid  
• Self-Responsive Substances



• Oxidizing Gases  
• Oxidizing Liquids  
• Oxidizing Solids



Compressed Gases  
\*\*



Organic Peroxides



• Pyrophorics (Spontaneously Combustible)  
• Self-Heating Substances



Explosive Divisions 1.1, 1.2, 1.3



Acute Toxicity (Poison):  
Oral, Dermal, Inhalation



Marine Pollutant

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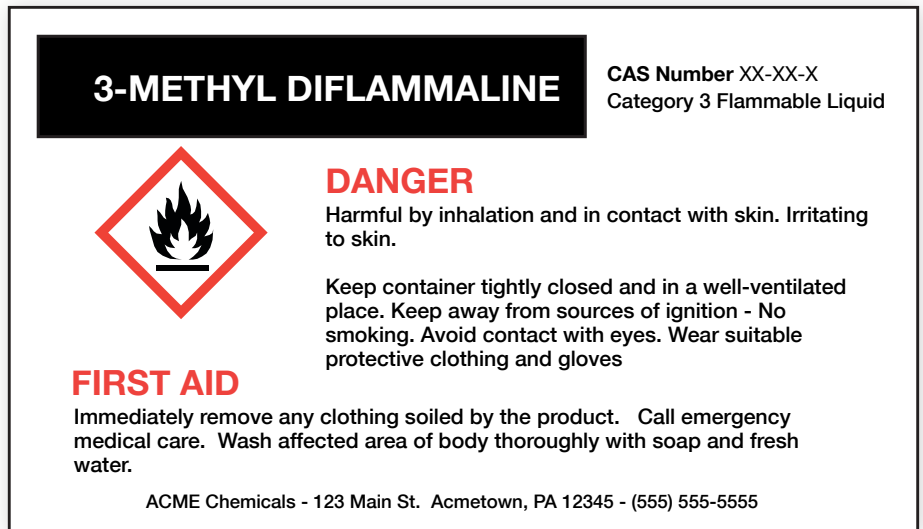
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## GHS LABEL EXAMPLE - Combination packaging for a Category 3 flammable liquid

(Additional examples of arrangements of the GHS labels may be found in Annex 7 of the GHS)



**Outer Packaging:** Box with a flammable liquid transport label. Only the UN transport marking & labels are required for outer packaging.



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

**Resources:** "Globally Harmonized System of Classification and Labeling of Chemicals (GHS) - Fourth Revised Edition" and OSHA.gov

## Custom Label and Sign Printer

### CUSTOM LABELS - PROFESSIONAL RESULTS

The LabelTac 4 PRO Industrial Thermal Printer is the easiest way to print all of your GHS, Pipe Marking, 5S, Lean, and other labels in-house!

- Print indoor/outdoor signs and labels 1/2" to 4" tall, and 40" long
- Labels are UV, chemical, weather, water, and wear resistant
- Won't fade or smear over time
- 300 dpi print head
- Supplies are easy to load/unload
- ROHS Compliant + ISO9001 + ISO14001 Compliant
- Thousands of pre-made templates and safety symbols included
- Compatible with Microsoft Word, Excel, OpenOffice or Bartender (included)
- Industry-leading, 4 year warranty on print head
- 4 year warranty on parts "Manufacturer Defects"



LabelTac 4 PRO  
Easy to use, and easy on the budget!



Labels printed on the LabelTac Printers are perfect for use in any environment - from a quiet office to the toughest industrial manufacturing facilities.

Supply is available in a variety of colors and sizes, giving you the ability to create all of the custom signs and labels necessary for your facility. If you need larger signs and labels, the LabelTac 9 prints labels up to 9" wide. Call 1-866-777-1360 for more information.