### Comparison of NFPA 704 and HazCom 2012 Labels

<table>
<thead>
<tr>
<th>NFPA 704</th>
<th>HazCom 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Provides basic information for emergency personnel responding to a fire or spill and those planning for emergency response.</td>
</tr>
<tr>
<td><strong>Number System:</strong> NFPA Rating and OSHA’s Classification System</td>
<td>0-4 0-least hazardous 4-most hazardous</td>
</tr>
<tr>
<td><strong>Information Provided on Label</strong></td>
<td>• Health-Blue  • Flammability-Red  • Instability-Yellow  • Special Hazards*-White  *OX Oxidizers  WW Water Reactives  SA Simple Asphyxiants</td>
</tr>
<tr>
<td><strong>Health Hazards on Label</strong></td>
<td>Acute (short term) health hazards ONLY. Acute hazards are more typical for emergency response applications. Chronic health effects are not covered by NFPA 704.</td>
</tr>
<tr>
<td><strong>Flammability/Physical Hazards on Label</strong></td>
<td>NFPA divides flammability and instability hazards into two separate numbers on the label. Flammability in red section Instability in yellow section</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>The hazard category numbers found in section 2 of the HC2012 compliant SDSs are NOT to be used to fill in the NFPA 704 diamond.</td>
</tr>
</tbody>
</table>

**For more information:**
National Fire Protection Association  
www.nfpa.org  
(800) 344-3555  
OSHA® Occupational Safety and Health Administration  
www.osha.gov  
(800) 321-OSHA (6742)
The substance: “NOMIXUP 7042012”

To create an OSHA label per HazCom 2012:

Step 1: Perform the classification in accordance with Appendix A: Health Hazards & Appendix B Physical Hazards of 29 CFR 1910.1200 — this is where you find the criteria for each hazard class and hazard category.

Class: Flammable Gas, Category 1
Class: Carcinogen, Category 1B
Class: Specific Target Organ Toxicity (Single Exposure), Category 3
Class: Substances and Mixtures Which, in Contact with Water, Emit Flammable Gases, Category 3

Step 2: Gather labeling information (Pictograms, Signal Word, Hazard Statements) from Appendix C of 29 CFR 1910.1200 based on the chemical’s hazard class and category.

Step 3: Create the Label

To Create NFPA 704 label:

Step 1: Collect information on hazards from applicable sections of SDS. Some SDSs may provide the NFPA diamond symbol with hazard rating numbers filled in already. Note: Do NOT use the hazard category numbers given in section 2 of HazCom 2012 compliant SDS on 704 label!

If the diamond is not provided on the SDS you can obtain the information under the following sections of the SDS. Note that additional information may be provided in other sections of the SDS.

• Health hazard information under Section 11
• Flammability information under Section 9
• Instability information under Section 10
• Special information under Section 9, 10, 11

Step 2: Obtain current edition copy of NFPA 704 or view on line at www.nfpa.org/704. Compare the criteria on the SDS sections as shown above with the criteria shown in Tables 5.2 (Health), 6.2 (Flammability), 7.2 (Instability) and 8.2 (Special Hazards).

Step 3: Place numbers for the degree of hazard associated with the criteria obtained in Step 2 in the correct quadrant of NFPA 704 placard.

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