Different Hazard Classification Tools and Symbols

GHS, NFPA, and HMIS are different system with different purposes to categorize hazards. **They are not interchangeable.** For a comparison of NFPA 704 to GHS please visit: [https://www.osha.gov/Publications/OSHA3678.pdf](https://www.osha.gov/Publications/OSHA3678.pdf)

This is a tool to help people who work with chemicals to understand the difference between these systems.

**GHS** – Used in the new UN regulation to help manufacturers classify materials and assign pictograms, signal words, and hazard statements. There is no universal scale and number of classifications is NOT uniform throughout each category.
**NFPA** - Is a fire protection warning system designed to help first responders with conditions of fire, chemical spills, and other emergency situations. The four parts of the diamond are for Health (Blue), Fire (Red), Reactivity (Yellow), and Special Hazards (White). The scale is 0 (least hazardous) to 4 (most hazardous).

![NFPA Diagram](image1)

**HMIS** - Is a system designed for day-to-day employees to recognize hazards. The major differences are in the last two sections. The four parts of HM are Health (Blue), Fire (Red), Physical Hazard (Orange), and Personal Protection (White). The Scale is 0 (least hazardous) to 4 (most hazardous).

![HMIS Diagram](image2)

In February 2013, an OSHA brief stated,

“Employers may continue to use rating systems such as National Fire Protection Association (NFPA) Diamonds or HMIS requirements for workplace labels as long as they are consistent with the requirements of the Hazard Communication Standard and the employees have immediate access to the specific hazard information [of the chemicals]. An employer using NFPA or HMIS labeling must, through training, ensure that its employees are fully aware of the hazards of the chemicals used.”