

**Compliance – Resource Bulletin**

# DoD – Explosive Safety Signs

**Overview:**

The Department of Defense (DoD), in an effort to establish uniform safety standards applicable to ammunition and explosives under its jurisdiction, issued the DoD Ammunition and Explosives Safety Standards (directive 6055.9) on 10/5/2004. The standards, through their system of hazard classification, provide protection criteria to minimize serious injury, loss of life, and damage to property.

**Resources:**

**DoD Directive 6055.9:** (Free) <http://www.dtic.mil/whs/directives/corres/pdf/605509p.pdf>

**Design of DoD Explosive Safety Signs:**

- The DoD hazard classification system specifies 9 explosive hazard classes known as hazard divisions (HD). An ammunition or explosive (AE) is assigned to the class that represents the item’s predominant explosive hazard characteristic. (6055.9.C3.2)
- A major goal of the directive is to aid emergency responders in identifying the type of hazard they might face when responding to an AE incident or accident. These appropriate signs should be displayed wherever AE are stored. The DoD has set standards for signs, indicating two types of hazard risks: fire and chemical.
- **FIRE HAZARD SIGNS:** The DoD directive also categorizes an AE according to its fire hazard risk. There are 4 fire divisions that designate the severity of the hazard in decreasing order from 1 to 4. The fire divisions are related to the HD in the table below. (6055.9.C8.3)

Fire Division	Predominant Hazard	HD
1	Mass explosion	1.1 and 1.5
2	Non-mass explosion, fragment producing	1.2, 1.21, 1.22, 1.23 and 1.6
3	Mass fire, minor blast or fragment	1.3
4	Moderate fire, no blast or fragment	1.4

- The 4 fire divisions are represented by 4 distinctive symbols containing the fire division number within a specific shape. The designations aid firefighting personnel in recognizing the particular hazard so they can properly mitigate an explosive incident or accident. The fire division symbols are as follows:

Shape	Fire Division Symbol
Octagon	1
Cross	2
Inverted triangle	3
Diamond	4

## Compliance – Resource Bulletin

(DoD Explosive Safety Signs Continued)

### FIRE HAZARD SIGNS

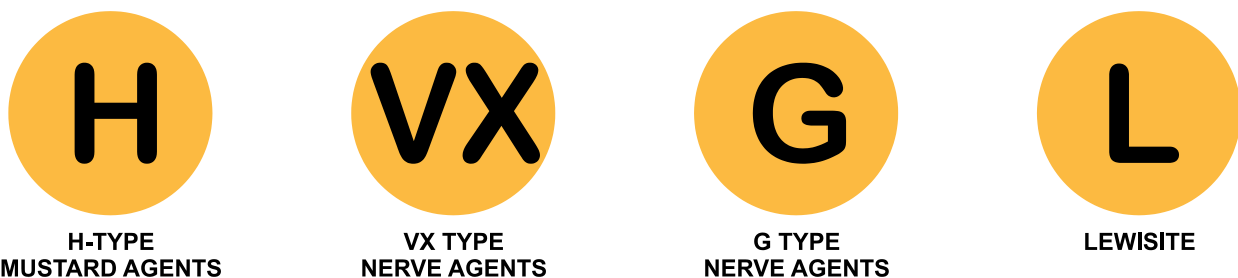


- **CHEMICAL HAZARD SIGNS:** The storage of chemical agents and chemical munitions requires the use of chemical hazard signs. With exceptions as outlined in the Standard. (6055.9.C8.3.3)
  - The signs consist of 5 major and 4 supplemental symbols indicating chemical hazards. All are circles of varying colors displaying either symbols or letters.
  - If a particular AE presents a fire and chemical hazard, both sign types should be displayed. (6055.9.C8.4)

### MAJOR CHEMICAL HAZARD SIGNS



### SUPPLEMENTAL CHEMICAL HAZARD SIGNS



For DoD Explosive Safety Signs visit our store:

<https://www.compliancesigns.com/products/fire-emergency/department-of-defense-fire>

© 2019 ComplianceSigns, Inc. All Rights Reserved

*Compliance – Resource Bulletins are reference summaries of rules which govern the design of signs and related products. These bulletins are not legal advice, and are not intended for use in legal proceedings or inspections. Please do your own research, and seek professional advice from your inspector, lawyer, or other professional who is familiar with your specific situation on signage requirements, compliance or installation.*