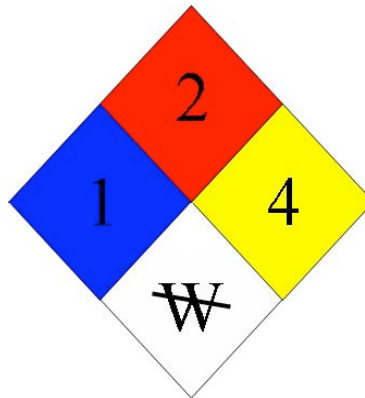




## **Cleanroom Safety Signs: The NFPA Diamond**

### **The NFPA Diamond**

The mission of the National Fire Protection Association (NFPA) is to reduce the worldwide burden of fire and other hazards and to improve on the quality of life by providing and advocating consensus codes and standards, research, training, and education. The NFPA specifies a system for identifying the hazards associated with materials.



### **Red: Fire Hazard**

- 0 – Will not burn
- 1 – Must be preheated for ignition; flashpoint above 200°F (93°C)
- 2 – Must be moderately heated for ignition, flashpoint above 100°F (38°C)
- 3 – Ignition may occur under most ambient conditions, flashpoint below 100°F (38°C)
- 4 – Extremely flammable and will readily disperse through air under standard conditions, flashpoint below 73°F (23°C)

### **Blue: Health Hazard**

- 0 – Hazard no greater than ordinary material
- 1 – May cause irritation; minimal residual injury
- 2 – Intense or prolonged exposure may cause incapacitation; residual injury may occur if not treated
- 3 – Exposure could cause serious injury even if treated
- 4 – Exposure may cause death

### **Yellow: Reactivity Hazard**

- 0 – Stable
- 1 – May become unstable at elevated temperatures and pressures, may be mildly water reactive
- 2 – Unstable; may undergo violent decomposition, but will not detonate. May form explosive mixtures with water
- 3 – Detonates with strong ignition source
- 4 – Readily detonates

### **White: Special Hazard**

- OX** – Strong Oxidizer
- W** – Water Reactive