

- NFPA diamonds are commonly found on doors around Temple's campus. These are placed there to inform people of what dangers are in the space ahead. This information is particularly important for first responders when entering unknown rooms to put out fires or save the injured.
- Check for a NFPA diamond before entering a room so you can determine what precautions are needed and are familiar with actions not to take such as using spark producing equipment when flammables are present. If you see a NFPA diamond with a 1 or greater pause and check the chemical inventory or provided Safety Data Sheets to see what appropriate precautions are needed to enter the space.
- The most serious hazard type among all substances in a space is used to determine the number in each quadrant. For example, if a container of gasoline and acid are stored in the same room, the fire hazard number would reflect that of gasoline, and the health hazard number would reflect the acid, as well as the specific hazard. All substances in the space may not have the same level of hazard, but wear PPE for the rating on the NFPA diamond.

HEALTH HAZARD

- 4 - Deadly
- 3 - Extreme Danger
- 2 - Hazardous
- 1 - Slightly Hazardous
- 0 - Normal Material

FIRE HAZARD

- 4 - Below 73° F
- 3 - Below 100° F
- 2 - Below 200° F
- 1 - Above 200° F
- 0 - Will Not Burn

SPECIFIC HAZARD

- OX Oxidizer
- ALK Alkaline
- W Use No Water
- SA Simple Asphyxiant
- ACID Acid
- COR Corrosive
- ☢ Radioactive

INSTABILITY HAZARD

- 4 - May Detonate
- 3 - Shock and Heat May Detonate
- 2 - Violent Chemical Change
- 1 - Unstable if Heated
- 0 - Stable

CONSULT SDS FOR FURTHER INSTRUCTIONS

RATING EXPLANATION GUIDE			
HEALTH	FLAMMABLE	INSTABILITY	
RECOMMENDED PROTECTION	SUSCEPTIBILITY TO BURNING	SUSCEPTIBILITY TO ENERGY RELEASE	
4 SPECIAL FULL PROTECTIVE SUIT AND BREATHING APPARATUS MUST BE WORN	4 VERY FLAMMABLE	4	MAY DETONATE UNDER NORMAL CONDITIONS
3 FULL PROTECTIVE SUIT AND BREATHING APPARATUS SHOULD BE WORN	3 IGNITES UNDER NORMAL TEMPERATURE CONDITIONS	3	MAY DETONATE WITH SHOCK OR HEAT
2 BREATHING APPARATUS WITH FULL FACE MASK SHOULD BE WORN	2 IGNITES WITH MODERATE HEATING	2	VIOLENT CHEMICAL CHANGE BUT DOES NOT DETONATE
1 BREATHING APPARATUS MAY BE WORN	1 IGNITES WHEN PREHEATED	1	NOT STABLE IF HEATED USE PRECAUTIONS
0 NO PRECAUTIONS NECESSARY	0 WILL NOT IGNITE	0	NORMALLY STABLE