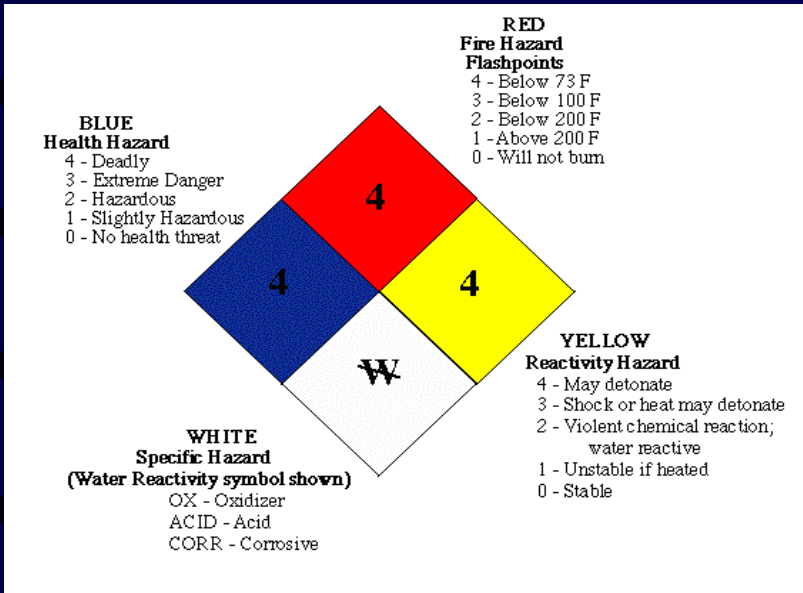


Hazard Communications

NFPA & HMIS
Identification Systems



- HEALTH
- FLAMMABILITY
- REACTIVITY
- PROTECTIVE EQUIPMENT

Identification Systems

- NFPA - National Fire Protection Association
- HMIS - Hazardous Materials Identification System
- WHMIS - Workplace Hazardous Materials Identification - Same as HMIS
- NPCA - National Paint and Coatings Association - Same as HMIS

Generic Information

Applies to Both NFPA and HMIS
Identification Systems

Color Coding

- Blue - Health
- Red - Flamability
 - There will be different Temperature Ratings for NFPA and HMIS
- Yellow - Reactivity
- White
 - NFPA - Special Precautions
 - HMIS - PPE

Degree of Hazard

The degrees of hazard shall be ranked according to the potential severity of the exposure as shown in the following table.

Keep in mind that these ratings were devised to rate the degree of hazard in a *fire situation*.

Degree of Hazard

- **0 MINIMAL**
- **1 SLIGHT**
- **2 MODERATE**
- **3 SERIOUS**
- **4 EXTREME**

Health Hazard Ratings

4 Extreme

On very short exposure could cause death or major residual injury even though prompt medical treatment is given.

Health Hazard Ratings

3 Serious

May cause serious temporary or residual injury on short term exposure even though prompt medical attention is given.

Health Hazard Ratings

2 Moderate

Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical treatment is given.

Health Hazard Ratings

1 Slight

May cause irritation but only minor residual injury even without treatment.

Health Hazard Ratings

0 Minimal

No chemical is without some degree of toxicity.

Flammability Ratings

(For NFPA only)

4 Extreme

Extremely flammable. Flash point below
73 F (22.8 C)

Flammability Ratings

(For NFPA only)

3 Serious

Flash point at or above 73 F (22.8 C) but less than 100 F (37.8 C).

Flammability Ratings

(For NFPA only)

2 Moderate

Flash point at or above 100 F (37.8 C) but less than 200 F (93.4 C).

Flammability Ratings

(For NFPA only)

1 Slight

Flash point at or above 200 F (93.4 C).

Flammability Ratings

(For NFPA only)

0 Minimal

1500 F (815.5 C) for 5 minutes.

Reactivity Ratings

4 Extreme

Can explode or decompose violently at normal temperature and pressure.

Reactivity Ratings

3 Serious

Can detonate or explode but requires a strong initiating force or confined heating before initiation

Reactivity Ratings

2 Moderate

Normally unstable and readily undergoes violent change but does not detonate.

Reactivity Ratings

1 Slight

Normally stable material which can become unstable at high temperature and pressure.

Reactivity Ratings

0 Minimal

Normally stable material which is not reactive with water

If You Need Assistance

- **Call Brenntag, Mid-South, Inc at 1-800-866-9697**
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