

<b>Method</b>	<b>Hazard Diamond</b>
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<b>Description</b>
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The hazard diamond is used to identify and analyze the different risks associated with hazard sources. The hazard diamond or the so-called fire diamond is defined in the NFPA (704) which is the Standard System for the Identification of the Hazards of Materials for Emergency Response. The four divisions of the diamond are color-coded to represent flammability (red), health hazard (blue), chemical reactivity (yellow) and special hazards (white). The Hazard diamond is normally used to identify the risk associated with hazardous materials and dangerous goods

<b>Basic procedure</b>
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1. Extracting the values from the four divisions of the diamond
2. Analyzing the risks posed with the corresponding dangerous material
3. Understanding the required precautions

<b>Prerequisites/Aids</b>
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The Hazard diamond catalogue of dangerous materials.

<b>Effort</b>
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The diamond is very efficient in terms of timing since the values and the associated precautions can be easily extracted.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>• Easy access to the different dangerous goods and chemicals</li> <li>• Quick identification of the possible risks associated with hazardous materials</li> </ul>	<ul style="list-style-type: none"> <li>• Such diamond requires a continuous monitoring of the arising dangerous goods</li> <li>• Experiments and accurate data are required to extract the values for each division of the diamond in case of a new detected dangerous material</li> </ul>

## Related Literature

National Fire Protection Association, 2011. NFPA 704, Standard System for the Identification of the Hazards of Materials for Emergency Response. National Fire Protection Association.