



Tempe Fire Medical Rescue Department
Fire Prevention Division
Hazardous Material Inventory Statement
REF. 2012 International Fire Code Section 5001.5.2



INSTRUCTIONS FOR COMPLETION OF
HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS)

Type or legibly print out all available information. Each item corresponds to the Hazardous Materials Inventory Statement (HMIS). Most of the requested information can be found on the Material Safety Data Sheet (MSDS) for the applicable material.

This form is incomplete without all fields being completed including a signature

Business Name: Enter the name of the business occupying the structure for which the inventory is being submitted.

Address: Enter the complete physical street address of the business occupying the site for which the inventory is being submitted.

Bldg. #: Enter the building and/or suite number(s)

AFES: Indicate if the building is equipped throughout with an automatic fire extinguishing system (Fire Sprinkler system).

Area/Density: Enter the area and density of the fire sprinkler system if applicable. This information can be found on the hydraulic calculation plate on the main fire sprinkler riser. (Example .20gpm/3000sqft.).

Storage Height: Enter the maximum storage height of hazardous material inside or outside the structure.

Pallets: Indicate if hazardous materials are stored on pallets.

Type: If pallets are used, indicate if they are constructed of wood (W) or Plastic (P).

Racks: Indicate if hazardous materials are being stored in racks.

Control Area: A control area is defined as spaces within a building or outside a building where hazardous materials are stored, dispensed, used or handled that do not exceed the maximum allowable quantities. Enter the control area location. (Each control area requires a separate HMIS).

Location on Site: Enter the exact location of hazardous materials on site both inside and outside the building.

Electronic Reporting: Leave blank for Fire Dept. use only. The Fire Plan Reviewer will determine if electronic reporting is required in addition to the HMIS submittal.

Chemical Name and Concentration: List each material by its chemical name. If material is a mixture, list brand name and include a manufacturer specific Material Safety Data Sheet (MSDS).

CAS #: Enter the Chemical Abstract Service (CAS) number for the material. For mixtures, enter "mixture" and include the percentage of each material.



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Use Amount (Open/Closed): “Use” is defined as placing a hazardous material into action including solids, liquids, and gases. Enter the use amount in the appropriate field for the following:

- **Use (Open System):** If use of a solid or liquid hazardous material in a vessel/system is continuously open to the atmosphere during normal operations and where the vapors are liberated or the product is exposed to the atmosphere during normal operations, for example, plating tanks or parts washers.
- **Use (Closed System):** If vapors are not emitted outside the vessel/system during normal operations and if the product is not exposed to the atmosphere during normal operations and all uses of compressed gases, for example fuel transfer and medical gas piping.

Storage Amount: Enter the maximum total quantity stored at one time. This does not include the amount that is in use.

Outdoor Amount: Enter the total amount of hazardous materials outside the building, both in storage and in use.

Hazard: Enter the Hazard Classification if the material has a physical and/or a health hazard. List all that apply using the **number code** found in the table below.

Physical Hazards

- | | |
|--|----------------------------------|
| 1. Combustible liquid, Class II | 21. Oxidizer, Class 1 |
| 2. Combustible liquid, Class III-A | 22. Oxidizer, Class 2 |
| 3. Combustible liquid, Class III-B | 23. Oxidizer, Class 3 |
| 4. Combustible fiber | 24. Oxidizer, Class 4 |
| 5. Cryogenic, flammable | 25. Oxidizing gas, gaseous |
| 6. Consumer fireworks (Class C – 1.4G) | 26. Oxidizing gas, liquefied |
| 7. Cryogenic, oxidizing | 27. Pyrophoric |
| 8. Explosives | 28. Unstable (reactive), Class 1 |
| 9. Flammable gas | 29. Unstable (reactive), Class 2 |
| 10. Flammable liquid, 1-A | 30. Unstable (reactive), Class 3 |
| 11. Flammable liquid, 1-B | 31. Unstable (reactive), Class 4 |
| 12. Flammable liquid, 1-C | 32. Water reactive, Class 1 |
| 13. Combination flammable liquid | 33. Water reactive, Class 2 |
| 14. Flammable solid | 34. Water reactive, Class 3 |
| 15. Organic peroxide, unclassified detonable | |
| 16. Organic peroxide, Class 1 | |
| 17. Organic peroxide, Class 2 | |
| 18. Organic peroxide, Class 3 | |
| 19. Organic peroxide, Class 4 | |
| 20. Organic peroxide, Class 5 | |

Health Hazards

- 35. Corrosives
- 36. Highly toxics
- 37. Toxics



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Physical State: Indicate the physical state by entering whether the material is solid (**S**), liquid (**L**), or gaseous (**G**). Include all that apply.

NFPA 704: Provide the numbered hazard values by entering (**0-4**) for each hazard presented by the material corresponding to the NFPA 704 hazard diamond; (H) health, (F) fire, (R), reactivity, and (SP) special hazards present.

DOT ID: Enter the four digit hazard class number for the material.

Storage Type: Enter the type of container material is primarily stored in. List all that apply using the **letter code** found in the table below.

- | | |
|--|-----------------------------------|
| A. Above-ground tank | I. Bag |
| B. Below-ground tank | J. Box |
| C. Steel drum | K. Cylinder |
| D. Plastic or non-metallic drum | L. Glass bottles or jugs |
| E. Can | M. Plastic bottles or jugs |
| F. Carboy | N. Tote bin |
| G. Silo | O. Tank wagon |
| H. Fiber drum | P. Other (specify) |

Units: Enter the unit of measurement used for the material (pounds, gallons, cubic feet, etc.)

Chemical Hazards: Indicate all hazards presented by the material, both physical: fire (F), pressure (P), reactivity (R), and then enter effect(s), either; acute (A), or chronic (C).

