



**Terms and commodity classifications used on this form are based on requirements of NFPA 13, Standard for the Installation of Sprinkler Systems, 2013 edition; NFPA 30, Flammable and Combustible Liquids Code, 2015 edition; NFPA 30B, Code for the Manufacture and Storage of Aerosol Products, 2015 edition. This form may be used to assist in identifying the storage hazard and determining the level of protection required by the respective NFPA standard, but will not in itself determine the required level of protection. Please observe the following instructions when filling out this form:**

**Identify Area:** Provide a clearly distinguishable area identifier such as “Warehouse - N.W. corner”, “Storage Room 238”, “Raw Products Storage”, “Finished Goods Storage”, etc. This identifier should be similar to the room occupancy label on the plans submitted for review. **Use only one column for each different type of storage in an area or room. (See Type of Storage below)**

**Describe Commodity Stored:** Describe the items being stored as completely as possible. This should include the materials of component parts. Examples: Office desks with metal sides, metal drawers, and wood desk tops with simulated wood grain finish; Shoes with polyester plastic uppers with leather soles; Three ring binders with paper covers and metal binder rings. Descriptions of plastic materials should include the type of plastic and where size is not evident from the description, the size of the product being stored (example: 2 oz. polypropylene bottles.) The size is a determining factor as to whether a plastic is classified as free-flowing.

**Describe Packaging Materials or Methods:** Describe the packaging materials as completely as possible. This should include the thickness of corrugated cardboard boxes (single thickness, double thickness, etc.), wrapping papers or plastic packaging that may be included, and note when the material is encapsulated per NFPA 13. (examples: shoes wrapped in tissue grade paper in heavyweight paper boxes in single thickness cardboard boxes; double thickness corrugated cardboard boxes; expanded molded polystyrene foam in paperboard boxes in encapsulated single thickness cardboard boxes.)

**Commodity Class:** Provide a determination of storage commodity classification in accordance with NFPA 13, 30, or 30B. The following commodity classes shall be used: Class I, Class II, Class III, Class IV, Group A plastic, Group B plastic, Group C plastic, Class IA flammable liquids, Class IB flammable liquids, Class IC flammable liquids, Class II combustible liquids, Class IIIA combustible liquids, Class IIIB combustible liquids, Level 1 aerosol, Level 2 aerosol, and Level 3 aerosol. Descriptions of each commodity classification are provided in the respective NFPA standard pertaining to that commodity. Commodity classifications other than above may be required for special products such as rubber tires, fireworks, or rolled paper storage and should be classified in accordance with applicable NFPA, local, state, and federal standards.

**Ceiling/Roof Deck Height:** The distance from the floor level to the bottom of the ceiling or roof deck above the storage area.

**Maximum Storage Height:** The distance from the floor level to the top of the storage. Pallets on top of racks shall be measured to the top of the commodity, **not** to the level of the rack.

**Clearance to Sprinkler Deflectors:** The distance from the top of the storage to the level of the sprinkler deflector. This clearance will effectively be the Height of Storage (see above) subtracted from the elevation of the sprinkler deflector.

**Type of Storage:** Identify the type of storage in accordance with NFPA 13 definitions. Where additional information may be needed to determine the required sprinkler densities for proper coverage, areas have been provided for recording this information.

**Total Area of Storage:** This is the total area of storage for this identification area only. The total storage area for the building would be the total of all individual identification areas in the building. This shall include the width of aisles for product access.