

CITY OF TEMECULA ♦ FIRE PREVENTION OFFICE

41000 Main Street ♦ Temecula ♦ CA ♦ 92590 ♦ Telephone (951) 694-6405 ♦ Fax (951) 506-5169

HIGH PILED COMBUSTIBLE STOCK QUESTIONNAIRE

BUSINESS NAME:

BUSINESS ADDRESS:

The purpose of this questionnaire is to assist the Fire prevention office in determining the Fire Code requirements for the storage of High Piled Combustible Stock at your facility. The requirements will be based on the 2016 California Fire Code, Chapter 32 and NFPA 13, 2016 edition. The following information should be filled out and signed by a qualified person having the necessary code knowledge required for High Piled Combustible Stock, eg., Code Consultant, Insurance Underwriter or Fire Protection engineer.

1. Commodity Class: _____ Source: CFC NFPA
 (If commodity is Plastic, please fill out attachment "A")

2. Description of storage:

3. Maximum height of storage (in feet):

4. Method of storage is: (Check all that apply)

Encapsulated in plastic *	<input type="checkbox"/>	Non-encapsulated	<input type="checkbox"/>
Wooden Pallets	<input type="checkbox"/>	Plastic pallets	<input type="checkbox"/>
On racks with solid shelves	<input type="checkbox"/>	On rack without solid shelves	<input type="checkbox"/>
Bin box **	<input type="checkbox"/>	Solid pile	<input type="checkbox"/>

*Method of packaging consisting of a plastic sheet enclosing the side and top of a pallet load.
 **Five sided box container with the open side facing an aisle.

5. Type of racks:

Single Row <input type="checkbox"/>	Double Row <input type="checkbox"/>	Multiple Row <input type="checkbox"/>
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6. Area of storage:

0 – 500 sq. ft.	<input type="checkbox"/>	12,000 – 20, 000 sq. ft.	<input type="checkbox"/>
501 – 2,500 sq. ft.	<input type="checkbox"/>	20,001 – 300,000 sq. ft.	<input type="checkbox"/>
2,501 – 12,000 sq. ft.	<input type="checkbox"/>		<input type="checkbox"/>

7. Sprinkler information:			
a) Sprinkler density?			
b) Rack sprinklers?	Yes	<input type="checkbox"/>	No <input type="checkbox"/>
c) Temperature rating of sprinkler heads in:	Ceiling	°F	Racks °F

8. Building Height (in feet)?

9. Distance from top of storage to fire sprinkler deflector?	_____ feet _____ inches
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10. Flue space: Transverse _____ inches	Longitudinal _____ inches
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11. Smoke vents?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Ratio _____ : _____ Sq. Ft.
Automatic <input type="checkbox"/>	Manual <input type="checkbox"/>	Automatic/Manual <input type="checkbox"/>	
What is the temperature of operation?			

12. Aisle width between racks and storage:	_____ feet _____ inches
Access aisle width(s):	_____ feet _____ inches

13. Smoke detection system?	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
Type:	Photoelectric <input type="checkbox"/>	Ionization <input type="checkbox"/>	Beam <input type="checkbox"/>	Other <input type="checkbox"/>

14. Maximum cubic feet per pile:			
50,000 cu. ft.	<input type="checkbox"/>	200,000 cu. ft.	<input type="checkbox"/>
75,000 cu. ft.	<input type="checkbox"/>	400,000 cu. ft.	<input type="checkbox"/>
100,000 cu. ft.	<input type="checkbox"/>		<input type="checkbox"/>

15. Access roadways within 150-feet of all portions of exterior walls?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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16. Access door provided every 100 lineal feet on exterior walls, which face access roadways.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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17. Hose Stations:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Hose Length:	50 ft. <input type="checkbox"/>	100 ft. <input type="checkbox"/>	150 ft. <input type="checkbox"/>

Signature: _____

Title: _____

Phone: _____

**ATTACHMENT A
PLASTICS**

1. Group type of plastic in storage? (See list below)		
<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C
2. Percentage of plastic in storage? _____% (volume or weight)		
3. If group type is "A", check each item below that applies to your commodity.		
Is the plastic:		
<input type="checkbox"/> Expanded	<input type="checkbox"/> Non-expanded	<input type="checkbox"/> Free Flowing Class IV
How is the plastic packaged? (NFPA 13, 2016 Edition)		
<input type="checkbox"/> Exposed	<input type="checkbox"/> Cartoned	
How is the plastic piled? (NFPA 13, 2016 Edition)		
<input type="checkbox"/> Stable	<input type="checkbox"/> Unstable	<input type="checkbox"/> Solid unit load

Group A

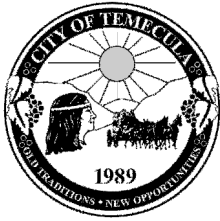
ABS (Acrylonitrile-Butadiene-Styrene Copolymer)	Polycarbonate
Acrylic (Polymethyl Methacrylate)	Polyester Elastomer
Acetyl (Polyformaldehyde)	Polyethylene
Butyl Rubber	Polypropylene
EPDM (Ethylene - Propylene Rubber)	Polystyrene
FRP (Fiberglass Reinforced Polyester)	Polyurethane
Natural Rubber (if expanded)	PVC (Polyvinyl Chloride - highly plasticized, e.g., Coated Fabric, unsupported film)
Nitrile Rubber (Acrylonitrile Butadiene Rubber)	SAN (Styrene Acrylonitrile)
PET (Thermoplastic Polyester)	SBR (Styrene-Butadiene Rubber)
Polybutadiene	

Group B

Cellulosics (Cellulose Acetate, Cellulose Acetate Butyrate, Ethyl Cellulose)	Propylene Copolymer
Chlorprene Rubber	Natural Rubber (not expanded)
Floupolastics (ECTFE - Ethelene-Chlorotrifluoroethylene Copolymer; ETFE - Ethylene Tetrafluoroethylene Copolymer FEP - Fluorinated Ethylene)	Nylon (Nylon 6, Nylon 6/6)
	Silicone Rubber

Group C

Fluoroplastics (PCTFE-Polychlorotrifluoroethylene, PTFE-Polytetrafluoroethylene)	PVDC (Polyvinylidene Chloride)
Melamine (Melamine Formaldehyde)	PVF (Polyvinyl Fluoride)
Phenol	PVDF (Polyvinylidene Fluoride)
PVC (Polyvinyl Chloride-rigid or lightly plasticized, e.g., pipe, pipe fittings)	Urea (Urea Formaldehyde)



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HIGH-PILED COMBUSTIBLE STORAGE DRAWING FLOOR PLAN REQUIREMENTS

Listed below are basic information requirements to complete a Temecula Fire Department plan review per the California Fire Code 2016 edition and the Temecula City Ordinance.

1. **High Piled Combustible Stock Drawing** shall provide a detailed description of the products to be stored and a description of all containers, pallets, and packing material.
2. Specify the storage method (solid, rack, and multi-rack) and type of shelving (solid, slatted, wire mesh, etc.)
3. Specify the commodity classification as defined by the 2016 CFC, Section 3203.
4. Specify total square footage of HPS. Include all racks and aisles.
5. Specify the maximum desired storage height(s) and aisles width.
6. Provide a scaled site plan of the entire building showing fire access lanes, fire hydrants, and fire sprinkler riser(s).
7. Specify the distance between the top of storage and the bottom of the sprinkler deflector. Specify the minimum aisle dimension between each storage array.
9. Location and classification of different commodity classes and where these commodities are stored on the racks, etc..
10. Location of commodities, which are banded or encapsulated.
11. Specify the width of the transverse and longitudinal flue spaces.
12. Specify the sprinkler design density as indicated in NPFA 13, 2016 edition.
13. Show location of the fire sprinkler riser(s).
14. Provide the location, model, type and automatic link temperature of the automatic/manual release smoke vents. (>12,000 sq. ft., Class I-IV / > 2500 sq. ft., High Hazard). Include the ratio calculations on the drawing as well.
15. Provide an elevation view of the racks.
16. Show locations of high hazard commodities on racks/shelves/pallets/etc and indicate the square footage of the high hazard commodities.
17. Show locations of hose connections.
18. Provide a legend showing all the symbols used on the drawing.