

INSTALLATION OF SPRAY BOOTHS

Health and Safety Code (HSC) Section 25503.5 requires any business handling flammable or combustible coatings and solvents, and associated oxidizing agents, hereafter referred to as “regulated chemicals”, in quantities equal to or exceeding the 55 gallon threshold, submit a completed Hazardous Materials Business Plan to Fire Prevention within 30 days from onset of storage.

- Application of regulated chemicals by means of spray apparatus shall conform to the operating guidelines established in *CFC Sections 1503 and 1504*.
- Handling and storing of regulated chemicals – regardless of quantity – shall also conform to CFC Chapters 27 & 34 protocols.
- Spray operations in Group A, E, I or R occupancies shall be conducted in rooms having an approved sprinkler system and separated from adjacent rooms per Building Code. *CFC 1504.2*
- Spray operations in all other occupancies shall be conducted in approved spray booth, spray room, or spray space approved for that use. *CFC 1504.2*
- Spray booths shall be designed and constructed in accordance with CFC Section 1504.4 and the Building Code *CFC 1504.3*
- Areas with flammable vapors require electrical wiring and equipment be explosion proof type approved for use in such hazardous locations. *CFC 1503.2.1*
- Mechanical ventilation shall be provided in spray and drying areas and shall maintain the concentration of flammable vapors at or below 25% of the LFL. *CFC 1509.6*
- Mechanical ventilation system shall be provided in accordance with Section 510 of the Mechanical Code. *CFC 1509.6*
- Limited spray operations, 9 ft² or less and periodic in nature, shall have positive mechanical ventilation with at least 6 air changes per hour; electrical wiring within 10 feet of the floor and 20 feet horizontally shall be designed for Class I, Division 2 locations. *CFC 1504.9.3*
- Portable electric lamps shall not be operated in spray area during the application process; lamps used during drying or cleaning operations shall be approved for hazardous locations. *CFC 1504.6.2.4*
- Warning signs identifying particular hazards shall be clearly posted at all entrances to the spray room(s) and regulated chemical storage area(s). *CFC 2703.5*
- Over spray, along with accumulated combustible dust and trash, shall be collected off all surfaces at the end of each business day and disposed of in a compliant manner. *CFC 1509.4.2*
- Reuse or distillation of regulated chemicals shall be carried out in accordance with *CFC 3405.4, CFC 1503.4.4*
- MSDS sheets for all regulated chemicals handled at the facility shall be readily available and in an orderly manner for both personnel and inspectors. *CFC 2703.4*
- Secondary containment shall be required for regulated chemicals (greater than 55 gallon individual or greater than 1000 gallon aggregate). *CFC 2704.2.2*
- Individuals responsible for storage, handling, or dispensing of regulated chemicals shall be familiar with the chemical hazards and be properly trained in their safe handling and control in case of fire, spill, or leak. *CFC 2703.9.1*
- Sufficient and appropriate spill equipment (granular absorbent, pads, boom, neutralizer, other) shall be readily available on-site in the event of an uncontrolled release of regulated chemicals. *CFC 2703.3.1.2*