



NORTH CAROLINA DEPARTMENT OF LABOR

No. 17-2

OSH DIVISION

Date: 03/2011

OSHNC INDUSTRIAL DATA REPORT

Pages: 3

Industry: Construction

Sub-Group: Painting

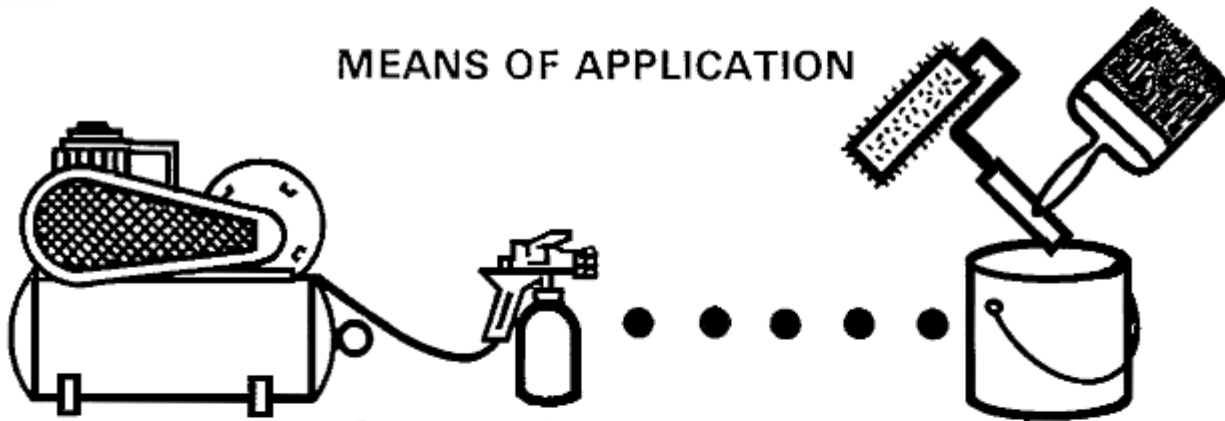
SIC: 1721

NAICS: 238320

PROCESS DESCRIPTION: Paints are mixed to secure desired color and consistency. Various procedures are used to paint on construction jobs, including brush, roller and air gun. Ladders, scaffolds, aerial lift truck and boatswain's chairs serve as means of access.


PROCESS FLOW:


MEANS OF APPLICATION



ACCESS EQUIPMENT



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Hazards Analysis					
Major Hazards			Other Hazards		
Location	Item	Hazard	Location	Item	Hazard
Spray painting	Toxic dust, vapors and fumes such as fungicides, lead and zinc chromates, pigments and solvents	Eye injury; inhalation and skin absorption of toxic materials	Throughout project	Housekeeping Falling objects Flammable liquids	Slipping, tripping or falling Head injuries Burns
Ladders and scaffolds	Falls and slips	Broken bones, bruises or death			
Throughout project	Floor openings and open-sided floors	Falls, serious injury or death may occur			
Aerial lifts and boatswain's chair	Danger of fall from bucket or chair	Serious injury or death			
Key OSHNC Standards					
Reference	29 CFR 1926 — Construction Industry Standards				
Subpart C and 13 NCAC 7F.0202	General Safety and Health Provisions - federal and state-specific requirements (for 1926.28)				
Subpart E and 13 NCAC 7F.0204	Personal Protective and Lifesaving Equipment - federal and state-specific requirements (for 1926.104)				
Subpart F	Fire Protection and Prevention				
Subpart I	Tools				
Subpart L	Scaffolds				
Subpart M	Fall Protection				
Subpart X	Stairways and Ladders				
Subpart CC	Cranes and Derricks				
1926.55	Gases, vapors, fumes, dusts, and mists				
1926.57	Ventilation				
1926.62	Lead				
1926.556	Aerial Lifts				

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Inspection Analysis		
<p>The inspector should check all painters closely to ensure that they are working safely. Ladders, scaffolds and any other means being used by the painters as access to their work areas must be carefully inspected since falls are the leading cause of injury to the painter.</p> <p>Spray painting shall be checked carefully for exposure to toxic materials and proper personal protective equipment must be used. Spray painting should be referred for inspection by an industrial hygienist.</p>		
<p>Other Pertinent Comments: Paints are made up of the following: pigments, solvents and additives — all of which, depending on what type is used, can be toxic.</p> <p>Fungicides used to prevent mildew Lead and zinc chromates Extender pigments for color Solvents; i.e., toluene, zylene, MEK, methanol and others</p>		