JOB HAZARD ANALYSIS (JHA)

Business name

Document: JHA-001 Rev 1
Prepared: Nov 9, 2026
Review by: Dec 9, 2026
Highest risk after controls: Medium

1. BUSINESS AND JOB DETAILS

Job	Airless spray painting	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Painting

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Mask off and ventilate the area, and remove ignition sources	Flammable liquids and gases Fire and emergencies Rules: 29 CFR 1926.152; 29 CFR 1926 Subpart F	**High Unlikely / Fatality**	1.1 Use non-flammable or water-based products where you can. [Substitution] 1.2 Keep ignition sources away: no smoking, no hot work and no running engines near flammables. [Engineering (guarding)] 1.3 Store fuels and solvents in approved, closed containers in a ventilated area away from the work. [Engineering] 1.4 Refuel equipment outdoors with the engine off and cool. [Administrative] 1.5 Keep only what you need for the day on site. [Administrative] 1.6 Store gas cylinders upright, secured and outdoors. [Administrative] 1.7 Keep a suitable fire extinguisher where flammables are used or stored. [Administrative] 1.8 Wear chemical gloves and safety glasses when pouring or mixing. [PPE] 1.9 Provide fire extinguishers suited to the site, checked and easy to reach. [Engineering] 1.10 Keep exits and escape routes clear and signed. [Engineering] 1.11 Have a site emergency plan: alarm, exits, assembly point and emergency contacts. [Administrative] 1.12 Keep a stocked first aid kit and at least one trained first aider on site. [Administrative] 1.13 Know the site address and how emergency services get in. Call 911. [Administrative] 1.14 Go through the emergency plan with every worker and visitor at induction. [Administrative] 1.15 Keep flammable materials and rubbish away from exits and escape routes. [Administrative]	**Medium Rare / Fatality**	Site supervisor
2	Check hoses and tip guard, and lock the trigger when not spraying	Stored energy Hazardous chemicals	**Medium Possible / Recordable /**	2.1 Release or block all stored energy before work: release the pressure in pipes, tanks and hoses, bleed hydraulics, release springs, lower loads. [Elimination]	**Medium Unlikely / Recordable /**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
		Rules: 29 CFR 1926.59 Hazard Communication	**lost time**	2.2 Lock out and tag all energy sources with personal locks. [Engineering (guarding)] 2.3 Stored energy: see step 5 for the full controls [Administrative] 2.4 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution] 2.5 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering] 2.6 Hazardous chemicals: see step 4 for the full controls [Administrative]	**lost time**	
3	Never point the gun at anyone or put a hand near the tip	Stored energy Cuts from sharp edges	**Medium Unlikely / Serious injury**	3.1 Put mechanical blocks or props under raised parts like buckets, tipper bodies and doors. [Engineering] 3.2 Test that the system is dead and nothing can move before you start. [Administrative] 3.3 Stored energy: see step 5 for the full controls [Administrative] 3.4 Deburr or cover sharp edges, and fit edge protectors on exposed sheet metal. [Engineering] 3.5 Use knives with retractable or self-retracting blades. [Engineering] 3.6 Cut away from your body and keep your other hand clear. [Administrative] 3.7 Put used blades in a blade bin or sharps container. [Administrative] 3.8 Use two people to handle large sheets of metal or glass. [Administrative] 3.9 Wear cut-resistant gloves and long sleeves. [PPE]	**Low Rare / Serious injury**	Site supervisor
4	Spray with a respirator and goggles, keeping others out	Hazardous chemicals Eye injuries Rules: 29 CFR 1926.59 Hazard Communication	**Medium Possible / Recordable / lost time**	4.1 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution] 4.2 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering] 4.3 Read the Safety Data Sheet (SDS) and labels before use, following OSHA Hazard Communication. [Administrative] 4.4 Keep chemicals in labeled containers. Never pour them into drink bottles. [Administrative] 4.5 Store chemicals away from heat, food and drink, and keep products that react with each other apart. [Administrative] 4.6 Have eye wash and a spill kit nearby, and wash hands before eating. [Administrative] 4.7 Wear chemical-resistant gloves and safety glasses or goggles as listed on the SDS. [PPE] 4.8 Use a respirator with the right cartridge if the SDS calls for one. [PPE] 4.9 Use tool guards and screens to stop flying particles. [Engineering] 4.10 Use dust extraction and water to keep dust out of the air. [Engineering]	**Medium Unlikely / Recordable / lost time**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				4.11 Keep others out of the area when cutting, grinding or chipping. [Administrative] 4.12 Keep an eye wash station or eye wash bottles on site. [Administrative] 4.13 Wear safety glasses at all times, goggles for dust and chemicals, and a face shield for grinding. [PPE]		
5	Release pressure before cleaning or changing tips	Stored energy	**Medium Unlikely / Serious injury**	5.1 Release or block all stored energy before work: release the pressure in pipes, tanks and hoses, bleed hydraulics, release springs, lower loads. [Elimination] 5.2 Lock out and tag all energy sources with personal locks. [Engineering (guarding)] 5.3 Put mechanical blocks or props under raised parts like buckets, tipper bodies and doors. [Engineering] 5.4 Test that the system is dead and nothing can move before you start. [Administrative] 5.5 Follow the maker's procedure, for example for garage door and roller door springs. [Administrative] 5.6 Wear safety glasses and gloves. [PPE]	**Low Rare / Serious injury**	Site supervisor
6	Clean the pump and dispose of solvent waste properly	Flammable liquids and gases Poor housekeeping and waste Rules: 29 CFR 1926.152	**High Unlikely / Fatality**	6.1 Flammable liquids and gases: see step 1 for the full controls [Administrative] 6.2 Order materials to size and send packaging back where you can. [Elimination] 6.3 Put dumpsters and waste chutes close to the work. [Engineering] 6.4 Clean as you go, and do a full clean up at the end of each day. [Administrative] 6.5 Keep exits, stairs and walkways clear at all times. [Administrative] 6.6 Stack materials neatly on level ground, away from edges. [Administrative] 6.7 Wear gloves when handling waste. [PPE]	**Medium Rare / Fatality**	Site supervisor

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

3. PPE AND PERMITS

Required PPE	Permits and plans
Half-face respirator (P100 cartridges) Safety goggles (ANSI Z87.1) Coveralls Chemical-resistant gloves Safety-toe boots (ASTM F2413) Safety glasses (ANSI Z87.1) Work gloves Cut-resistant gloves	Lockout/tagout (1926.417)

Required PPE	Permits and plans
Face shield (ANSI Z87.1)	

4. PLANT AND EQUIPMENT

Plant / equipment	License or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Airless paint sprayer					
Air compressor					
Mobile (rolling) scaffold	Erected under a competent person (29 CFR 1926.451)	Inspected by a competent person for visible defects before each work shift and after any occurrence that could affect its integrity (29 CFR 1926.451(f)(3))			
Scissor lift	Trained operator: OSHA treats scissor lifts as mobile scaffolds (29 CFR 1926.452(w), 1926.454); ANSI A92.24 training and familiarization	Operator pre-start inspection each shift; frequent and annual inspections to ANSI A92.22 and the manufacturer; as a mobile scaffold, competent person inspection before each shift (29 CFR 1926.451(f)(3))			

5. TRAINING REQUIRED FOR THIS WORK

- Hazard communication training on the written program, labels and SDS (29 CFR 1910.1200(h), via 1926.59); respirator fit test and medical evaluation if a respirator is used (29 CFR 1910.134)

6. CREW TRAINING AND CERTIFICATIONS

Crew listed at sign-on below, with ticket and licence numbers.

7. EMERGENCY ARRANGEMENTS

Emergency number	911	**First aid kit**	In the work vehicle
Fire extinguisher	In the work vehicle	**Alarm and evacuation**	Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance.
Reporting incidents	Report a fatality to OSHA within 8 hours, and an in-patient hospitalization, amputation or eye loss within 24 hours.		

8. MONITORING, REVIEW AND LEGAL BASIS

A competent person inspects the job site, materials and equipment before work each day and as conditions change (29 CFR 1926.20(b)(2)). Any time this JHA is revised, the affected crew is re-briefed and signs again.

Legal basis: OSH Act Section 5(a)(1) and 29 CFR 1926, Safety and Health Regulations for Construction (incl. 1926.20 and 1926.21). OSHA requires employers to find and fix hazards and to train workers on them. A JHA breaks the job into steps, lists the hazards in each step and the controls that protect the crew. General contractors often require one before you

start.

Keep this JHA on site during the job, and keep it with the training and inspection records for at least 1 year after the job (longer if your state plan or general contractor requires it). OSHA does not set a retention period for JHAs themselves.

9. REVISION HISTORY

Rev	Date	By	What changed
1	Nov 9, 2026		First issue

10. SIGN-OFF

	Name	Signature	Date	
Prepared by				
Supervisor				
General contractor review				Accepted for use: Yes / No

By signing below, each crew member confirms they were trained on the hazards and controls in this JHA before work started, and will follow it. Stop work and tell the supervisor if conditions change.

Name	Role / company	Tickets / licences	Signature	Date

Name	Role / company	Tickets / licences	Signature	Date