

Manual Drum Truck Transfer - JSA - B

en-SG · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area		Assessor		Supervisor	
Team signatures						

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Select truck							
HP-2 Secure and tilt							
HP-3 Land and release							
HP-4 Hand over							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Select truck	1. Drum deformation 2. Wheel or frame failure 3. Excess manual force	1. Plastic rim not approved 2. Truck rating unknown 3. Damaged wheels used	1. Verify securing geometry 2. Check truck capacity 3. Inspect wheels and frame	1. Rating and model instructions 2. Clamp and lock condition 3. Wheel and frame inspection				
2. Prepare route	1. Drum overturning 2. Pedestrian collision 3. Blocked safe landing	1. Tight turn ignored 2. People share narrow path 3. Destination not ready	1. Check turning space 2. Separate pedestrians 3. Prepare stable destination	1. Visibility and clearance 2. Traffic controls 3. Landing area ready				
3. Secure and tilt	1. Drum separates from truck 2. Unexpected weight shift 3. Operator strain	1. Contact shallow 2. Body used to catch drum 3. Wrong tilt technique	1. Verify full engagement 2. Keep body clear 3. Use approved handling method	1. Stable truck support 2. Hands and feet clear 3. Controlled tilt response				
4. Move and turn	1. Drum falls 2. Back or shoulder strain 3. Collision on blind turn	1. Restraint loosens 2. Excess force continued 3. Forward view blocked	1. Monitor restraint 2. Stop on excessive force 3. Keep travel view clear	1. Rocking and load response 2. Operator effort acceptable 3. Route remains clear				
5. Land and release	1. Finger crush 2. Container tipping 3. Truck sudden movement	1. Restraint released early 2. Drum not self-supporting 3. Feet in landing zone	1. Confirm independent stability 2. Release in specified order 3. Keep feet clear	1. Destination condition 2. Release sequence 3. Truck clear of drum				
6. Stop on leak	1. Exposure during cleanup 2. Further container damage 3. Fire from hazardous contents	1. Unknown spill approached 2. Drum raised by hand 3. Ignition hazards ignored	1. Restrict affected area 2. Notify trained response 3. Follow substance-specific plan	1. Leak and container state 2. Exclusion and response owner 3. Recovery method approval				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Rating and model instructions	☐ Visibility and clearance	☐ Stable truck support
☐ Rocking and load response	☐ Destination condition	☐ Leak and container state
☐ Wheel and frame inspection	☐ Route remains clear	☐ Recovery method approval