

Manual Drum Truck Transfer - JSA - C

en-SG · Supervision, records, handover · 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. Drum acceptance	1. Chemical exposure 2. Truck overload 3. Container rupture	1. Empty assumed harmless 2. Mass guessed 3. Damaged closure ignored	1. Identify contents and residue 2. Confirm actual loaded mass 3. Inspect rim and closure	1. Drum ID label and SDS 2. Mass material and fill state 3. Condition and handling briefing				
2. Equipment selection	1. Clamp disengages 2. Drum deforms 3. Wheel failure	1. Volume used as compatibility 2. Plastic rim unsupported 3. Damaged truck used	1. Match actual container type 2. Verify full securing geometry 3. Inspect wheels and frame	1. Truck manual and rating 2. Allowed rim and material 3. Clamp lock and frame condition				
3. Route and effort review	1. Excess exertion 2. Collision 3. Drum overturn	1. Threshold overlooked 2. Blind turn occupied 3. Repetitive force ignored	1. Prepare level clear route 2. Separate pedestrians 3. Assess effort and repetition	1. Floor and turning clearance 2. Traffic and sightline controls 3. Handling effort and alternatives				
4. Movement supervision	1. Restraint slips 2. Liquid shift instability 3. Foot crushed	1. Shallow engagement 2. Abrupt turn 3. Body used as support	1. Verify specified locking 2. Use controlled movement 3. Stop on slip or rocking	1. Clamp contact and tilt check 2. Load response during travel 3. Stop communication and exclusion				
5. Landing acceptance	1. Drum tips 2. Hand trapped 3. Premature separation	1. Base uneven 2. Restraint released early 3. Feet inside landing zone	1. Confirm independent stability 2. Release in specified order 3. Keep body outside gaps	1. Destination and upright state 2. Support and release sequence 3. Final container condition				
6. Leak and store transfer	1. Chemical spread 2. Wrong storage 3. Faulty truck reused	1. Ordinary move continued 2. Identity lost 3. Clamp damage unreported	1. Switch to substance response 2. Confirm receiving location 3. Quarantine defective truck	1. Leak and response owner 2. Drum ID location and limits 3. Truck fault and receiver				

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

4. Pre-work checklist

☐ Drum ID label and SDS	☐ Truck manual and rating	☐ Floor and turning clearance
☐ Clamp contact and tilt check	☐ Destination and upright state	☐ Leak and response owner
☐ Condition and handling briefing	☐ Stop communication and exclusion	☐ Truck fault and receiver