

Manual Drum Truck Transfer - JSA - A

en-SG · Basic task controls · 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. Identify drum	1. Unknown-chemical exposure 2. Truck overload 3. Container failure	1. Label missing 2. Mass estimated 3. Bulge or corrosion ignored	1. Identify contents and SDS 2. Confirm loaded mass 3. Inspect intact closure and rim	1. Drum ID label and SDS 2. Mass and fill state 3. Material and rim condition				
2. Select truck	1. Clamp disengagement 2. Drum deformation 3. Wheel or frame failure	1. Wrong drum geometry 2. Plastic rim not approved 3. Truck rating unknown	1. Match approved container type 2. Verify securing geometry 3. Check truck capacity	1. Allowed material and shape 2. Rating and model instructions 3. Clamp and lock condition				
3. Prepare route	1. Threshold impact 2. Drum overturning 3. Pedestrian collision	1. Damaged floor 2. Tight turn ignored 3. People share narrow path	1. Use clear level route 2. Check turning space 3. Separate pedestrians	1. Floor and thresholds 2. Visibility and clearance 3. Traffic controls				
4. Secure and tilt	1. Hand or foot crush 2. Drum separates from truck 3. Unexpected weight shift	1. Lock not engaged 2. Contact shallow 3. Body used to catch drum	1. Follow securing sequence 2. Verify full engagement 3. Keep body clear	1. Clamp contact and lock 2. Stable truck support 3. Hands and feet clear				
5. Land and release	1. Drum rolls or drops 2. Finger crush 3. Container tipping	1. Uneven landing surface 2. Restraint released early 3. Drum not self-supporting	1. Place on stable level base 2. Confirm independent stability 3. Release in specified order	1. Upright stable drum 2. Destination condition 3. Release sequence				
6. Stop on leak	1. Chemical spread 2. Exposure during cleanup 3. Further container damage	1. Transfer continued 2. Unknown spill approached 3. Drum raised by hand	1. Stop ordinary handling 2. Restrict affected area 3. Notify trained response	1. Material and location 2. Leak and container state 3. Exclusion and response owner				

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

4. Pre-work checklist

☐ Drum ID label and SDS	☐ Allowed material and shape	☐ Floor and thresholds
☐ Clamp contact and lock	☐ Upright stable drum	☐ Material and location
☐ Material and rim condition	☐ Hands and feet clear	☐ Exclusion and response owner