



**UNC**  
ENVIRONMENT,  
HEALTH & SAFETY

# Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill


## JOB SAFETY ANALYSIS TOPIC:

### Moving Drums by Drum Dolly Chemical Waste



Title	Work Task	Hazards	Controls
<p>Preplan the work</p>	<p>Gather proper tools (Dolly and Dolly straps)</p> <p>Plan the path of travel.</p> <p>Gather Proper PPE for the job and inspect it (safety glasses, gloves, steel toe shoes, lab coat or apron)</p>	<p>Improper tools</p> <p>Improper PPE inspection/selection</p>	<p>Using improper tools or parts can lead to ergonomic issues that can lead to injury</p> <p>Make sure the path is clear in front of the moving dolly.</p> <p>Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE</p>
<p>Before the job</p>	<p>Don necessary PPE</p> <p>Ensure the drum is fully closed.</p> <p>Make sure dolly straps are inspected and in good working order.</p>	<p>Improper Donning</p> <p>Skin or Eye Contact with chemicals.</p> <p>Spills</p>	<p>Improperly donning or not donning PPE can lead to an unnecessary exposure.</p> <p>Ensure all PPE is on correctly and passed inspection</p> <p>Know where the spill clean up kit is located in the event of a spill.</p>

<p>Using the dolly to move drums</p>	<p>Push the dolly up to the drum and position the dolly's feet at the drum base.</p> <p>Tip the dolly forward and engage dolly-drum lock.</p> <p>Pull the dolly with drum back until the dolly is resting on the wheels.</p> <p>Begin to move forward to move drum to desired location (Never store drums in entryways, exits or walkways).</p>	<p>Ergonomic Injury</p> <p>Hand/Foot Injury</p> <p>Tripping/Falling</p>	<p>Make sure the drum is correctly positioned before attempting to add to the dolly.</p> <p>Seek assistance with tipping the drum if the material inside is heavy.</p> <p>Make sure the lock is properly engaged.</p> <p>Hold the dolly in position with your dominant hand while engaging the lock with the other hand.</p> <p>Use smooth single pull motion with adding drum to dolly.</p> <p>Never walk backwards while using a dolly with drum loaded.</p>
<p>Removal of drum from dolly</p>	<p>Rest the dolly flat on the surface/ground.</p> <p>Release the dolly lock to remove drum.</p> <p>Tip the dolly forward to remove from drum once in the desired location.</p>	<p>Ergonomic Injury</p> <p>Improper Storage of Equipment/PPE</p>	
<p><b>Training</b></p>	<p>Employees must have hands on training in the proper use of this piece of equipment.</p>	<p>Supervisor is to fill out the turn in the form to UNC-CH 'Supervisor Led Training Form' and Environment, Health and Safety for documentation of proper training</p>	

Neah Tucker, Workplace Safety Officer Ray Bond, Hazardous Waste	
<b>Contact Info</b>	<p>For more information about this JSA and other JSAs, contact:  <i>UNC-CH Department of Environment, Health and Safety</i>  1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650  (919) 962-5507 ☎ <a href="http://ehs.unc.edu">http://ehs.unc.edu</a></p> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p><b>UNC</b>  ENVIRONMENT,  HEALTH &amp; SAFETY</p> </div> </div>