



Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC:

Grounds Garage: Using Brake Cleaner



Title	Work Task	Hazards	Controls
Preplan the work	<p>Gather proper tools (brush, shop towel)</p> <p>Review SDS</p> <p>Gather Proper PPE for the job and inspect it (safety glasses and gloves)</p>	<p>Improper tools</p> <p>No SDS review</p> <p>Improper PPE inspection/selection</p>	<p>Using improper tools can lead to unnecessary exposure. Proper tools make a job both easier and faster.</p> <p>Reading the SDS reminds user of the hazards associated with the brake cleaner</p> <p>Product can cause eye and skin irritation. Improper PPE use and inspection can lead to unnecessary hazards and exposures. Make sure to use proper PPE for job.</p>
Before the job	<p>Don necessary PPE (safety glasses, gloves)</p> <p>Ensure there is adequate ventilation during task.</p>	<p>Improper Donning</p> <p>Inadequate ventilation</p>	<p>Product can cause eye and skin irritation. Improperly donning or not donning PPE can lead to unnecessary exposure. Ensure all PPE is on correctly and has passed inspection.</p> <p>Overexposure to product may cause drowsiness or dizziness. Turn on exhaust fan and open garage doors during use. Improper ventilation can lead to an</p>

			unnecessary exposure during use of brake cleaner.
Using Brake Cleaner	Continue to wear proper PPE and use ventilation.	Improper PPE and ventilation.	Improper PPE and ventilation can lead to unnecessary exposure. Wear PPE and use ventilation throughout process.
	Spray cleaner on parts	Overspray	Spray in short bursts at a distance of 18-24 inches. Use brush on hard to clean areas and wipe clean with shop towel.
Clean Up	Place used shop towel in proper storage container to be laundered. Manage empty cans as hazardous waste.	Improper disposal of shop towel and cans.	Shop towels and empty cans must be managed as hazardous wastes. Improper disposal can harm the environment and result in regulatory fines.
	Doff PPE and store in safe dry location.	Improper Doffing Procedure	Improper doffing can lead to unnecessary exposure. Make sure to doff properly and clean PPE as needed
Training	Training on this product should be included in Hazards Communication training for the garage.	Supervisor should fill out the HazCom training form and submit to UNC-CH Environment, Health and Safety for documentation of proper training	
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Referenced Material	CRC Brakleen Safety Data Sheet; CRC Brakleen Brake Parts Cleaner Instructional Video; CRC Brakleen Step-By-Step Instructions for a Complete Brake Job. Source: http://www.crcindustries.com/products/brakleen-174-brake-parts-cleaner-19-wt-oz-05089.html		
Contact Info	<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 ☎ http://ehs.unc.edu</p>		