



RISK ASSESSMENT

COSHH - Descaling Chemicals

Document Reference

PTS.RA.S60

Activity	Hazards	Risks	UNCONTROLLED Risk Levels	Description of controls	CONTROLLED Risk Levels																																																																
<p>The use of Descaling Chemicals to remove lime scale deposits from Catering Equipment dependant on water for their operation.</p>  <p>Irritant</p>	<p>Descaling Chemicals</p> <p>Toxic Vapours</p> <p>Corrosion</p>	<p>Ingestion causing Poisoning, Internal chemical Burns and or Illness</p> <p>Contact causing Eye Damage, Blindness or Skin Damage</p> <p>Asphyxia and or Lung Damage.</p> <p>Marking or Corrosion of soft materials such as aluminium</p>	<p>LIKELIHOOD</p> <table border="1"> <tr><td>Most Likely</td><td>5</td><td></td></tr> <tr><td>Likely</td><td>4</td><td>✓</td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td></td></tr> </table> <p>SEVERITY</p> <table border="1"> <tr><td>Extreme</td><td>5</td><td></td></tr> <tr><td>Major</td><td>4</td><td>✓</td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> <p>Risk Score deduced by multiplying Likelihood by Consequence</p> <table border="1"> <tr><td>Risk Score</td><td>16</td></tr> </table> <p>Less than or equal to 5 Between 6 and 12 Above 12</p> <p>LOW MEDIUM HIGH</p> <p>UNCONTROLLED Risk Level</p> <p>HIGH</p>	Most Likely	5		Likely	4	✓	Possible	3		Unlikely	2		Very Unlikely	1		Extreme	5		Major	4	✓	Moderate	3		Minor	2		Negligible	1		Risk Score	16	<ul style="list-style-type: none"> ONLY competent engineer with appropriate Training & Experience to use Descaling chemicals Engineer to adhere to General COSHH Risk Assessment PTS.RA.S50 COSHH - General Control of Substances Hazardous to Health in respect of transportation, storage, Ventilation use and disposal. Engineer to use PPE as detailed on the PPE REQUIREMENTS SECTION of this risk assessment particularly Goggles, Protective Clothing and Acid Proof Gloves as per PTS.RA.S40 Safety Engineer to take great care not to spill descaling chemicals, onto either unsuitable metal surfaces or the floor, spillages to be cleaned up promptly following spillage. Engineer to avoid inhaling fumes by self and others, if inhaled individual to be removed to fresh air and medical attention sort as required. In the event of contact with eyes, the affected eye(s) to be irrigated with eye wash or water for a period of not less than 15 minutes, medical attention to be sort promptly. In the event of contact with Skin, the affected area is to be washed with clean water immediately. In the event of ingestion, the individual should drink copious amounts of clean water and SEEK IMMEDIATE MEDICAL ATTENTION 	<p>LIKELIHOOD</p> <table border="1"> <tr><td>Most Likely</td><td>5</td><td></td></tr> <tr><td>Likely</td><td>4</td><td></td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td>✓</td></tr> </table> <p>SEVERITY</p> <table border="1"> <tr><td>Extreme</td><td>5</td><td></td></tr> <tr><td>Major</td><td>4</td><td>✓</td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> <p>Risk Score deduced by multiplying Likelihood by Consequence</p> <table border="1"> <tr><td>Risk Score</td><td>4</td></tr> </table> <p>Less than or equal to 5 Between 6 and 12 Above 12</p> <p>LOW MEDIUM HIGH</p> <p>CONTROLLED Risk Level</p> <p>LOW</p>	Most Likely	5		Likely	4		Possible	3		Unlikely	2		Very Unlikely	1	✓	Extreme	5		Major	4	✓	Moderate	3		Minor	2		Negligible	1		Risk Score	4
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<p>FURTHER CONSIDERATIONS</p> <p>Engineer to apply signage stating 'DESCALE IN PROGRESS, DO NOT USE' to dispensing tap to avoid inadvertant use by others.</p> <p>Engineer to remain in the vicinity of the appliance during the descale process.</p> <p>Engineer to pay particular attention to flushing the equipment following the Descale process to ensure that no descaling chemicias remains within the equipment which may cause a risk to users or any other person whatsoever.</p> <p>Engineer NOT to dispose of any neat descaler whatsoever into drains or water courses, empty containers to be disposed of through a specialist disposal company.</p>			<p>AFFECTED INDIVIDUALS</p> <table border="1"> <tr><td>PTS Personnel</td><td>✓</td></tr> <tr><td>Maintenance Personnel</td><td>✓</td></tr> <tr><td>Catering Staff</td><td>✓</td></tr> <tr><td>Customers</td><td>✓</td></tr> <tr><td>Visitors</td><td></td></tr> <tr><td>Delivery Personnel</td><td></td></tr> <tr><td>Others (specify)</td><td></td></tr> </table> <p>PPE REQUIREMENTS as per PTS.RA.S40</p> <p>Safety Boots EN 20345, S3 WR SRA. Protective Work Wear Clothing Safety Eye Goggles (EN166 1.B.3.4) Acid Proof Safety Gloves (BS EN 374-3:2003) Face Mask (FFP3) BS EN 166:2002.</p>			PTS Personnel	✓	Maintenance Personnel	✓	Catering Staff	✓	Customers	✓	Visitors		Delivery Personnel		Others (specify)																																																			
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			<p>Additional Measures PTS.RA.S01 Safety - Working at Customer Sites PTS.RA.S02 Safety - Floor PTS.RA.S40 Safety - PPE PTS.RA.S80 Safety - Disposal of Waste</p>																																																																		
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			<p>NB: This document and any amendments must be retained for a minimum of 5 years. In the event of an incident involving an individual aged 18 years or less this documentation must be retained until the individual reaches 21 years of age, this requirement overrides the minimum 5 year rule.</p>																																																																		