

Risk Assessment

RA045 – Use of Acid to Remove Concrete



ABI Equipment Ltd	Creation Date: 16/03/23
Use of Acid to Remove Concrete – products such as Speedcrete and Autosmart	

Main Hazards are:	
Getting acid on skin	Getting acid on other surfaces
Getting acid in eyes	Danger to others in the area.
Persons / Property affected	
All Employees	General Public

Assessment of Risk:	Severity	3	X	Likelihood	4	= Risk	12
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Control Measures already in Place	PPE Required
1. This risk assessment should be read in conjunction with RA037 Risk Assessment – COSHH substances hazardous to health	Safety helmets <input type="checkbox"/>
2. A face shield must be worn when using the acid	Hi-Vis Jackets <input type="checkbox"/>
3. Acid proof gloves must be worn with protective overalls	Safety footwear <input checked="" type="checkbox"/>
4. The instruction for use on the product container must be read before work starts.	Eye protection <input checked="" type="checkbox"/>
5. This product should be used with a paint brush rather than a spray to avoid contact with skin, eyes and other surfaces	Dust masks <input type="checkbox"/>
6. The work to be carried out away from other people and other equipment	Ear plugs <input type="checkbox"/>
7. The work area should be cordoned off	Earmuffs <input type="checkbox"/>
8. If the product comes into contact with eyes or skin the work must be stopped, and the eyes and skin washed with copious amounts of clean running water.	Gloves <input checked="" type="checkbox"/>
9. Hands must be washed immediately after the work is completed	Protective overalls <input checked="" type="checkbox"/>
10. If irritation occurs medical help should be sought.	Gauntlets <input checked="" type="checkbox"/>
	Harnesses <input type="checkbox"/>
	Breathing apparatus <input checked="" type="checkbox"/>
	Face masks <input checked="" type="checkbox"/>

Assessment of Risk:	Severity	3	X	Likelihood	3	= Risk	9
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Additional Controls required	PPE/Equipment
The employee must be adequately trained and competent to operate in the area in which they are to work.	
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	16/03/23
Updated by	Ash Soliman	04/10/24
Review by:	Ash Soliman	04/10/24

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RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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Prepared by	Cathy Sheehan
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