

Area: Discover - Volcano

Year: 2026

Assessor: Mark & Emma Spiller
(05.05.2026)

Reviewed by: William Day 22/05/2026

Hazard	Who Might Be Harmed	Is the Risk Adequately Controlled, or is More Needed	Review and Revision
Chemical splash (vinegar, baking soda mixture) - Minor skin or eye irritation	Young people, adults	Young people observe only and do not handle substances	
		Marker rope used to maintain a safe distance from the volcano	
		Volunteer running the activity wears safety goggles and gloves (provided by Discover leadership team)	
Slips due to spilt liquid or foam- Slips, trips and falls	Young people, adults	Controlled, slow pour of vinegar carried out by the volunteer only	
		Activity takes place outdoors on suitable ground	
		Blue roll available to wipe up spills immediately	
Trips and falls around the activity area - Minor injuries	Young people, adults	Any spilt "lava" is cleaned up between groups	
		Activity located away from main thoroughfares	
		Clear marker rope defines the activity boundary	
Wind blowing foam or liquid towards the group - Splash to face or eyes	Young people, adults	No running rule explained and reinforced	
		All young people seated on the floor before the activity starts	
		Clear rules explained: remain seated and behind the rope	
Manual handling of equipment - Strains or minor injury	Young people, adults	Volunteer checks everyone is seated before starting the reaction	
		Equipment is lightweight	
		Volunteers use safe lifting and handling techniques	
Allergic reactions (e.g. washing up liquid) - Skin irritation	Young people, adults	Young people do not handle any substances	
		Hand washing facilities available as per event arrangements	
Behavioural excitement or overcrowding - Trips or collisions	Young people		
		Calm explanation given before the activity begins	
		Supporting volunteers remain with their group	
		Activity paused if behaviour becomes unsafe	