

Risk Assessment Form

Title of practical activity.....

Teachers and pupils involved.....

	Substances hazardous to health – chemicals regulated by COSHH		Hazardous procedure or item of equipment.
1	Sodium Hydroxide (Molar)	1	Fill burette via funnel
2	Nitric Acid (2M)	2	Use of burette to control flow into flask
3		3	Use of mixture for evaporation
4		4	Preparation of salt by evaporation

Risk estimator (>10 then risk is unacceptable; rethink control measures)

Hazard	L score	O score	Total (L x O)	Control measures
Spillage of acid on clothing or skin	4	3	12	Use of weaker acid reduces O score to 2
Spillage of alkali in eye	3	4	12	Use of weaker alkali reduces O score to 2; use of eye protection reduces L score to 2
Danger of upsetting burette due to height	5	3	10	Use alternative apparatus – bulb pipette and measuring cylinder – L score reduces to 3, O score is 2 if reactants are weaker
Boiling using evaporating basin to form crystals – spitting	5	3	10	Use of eye protection reduces O score to 1
Burns from hot apparatus	3	2	6	Warn pupils, leave time for apparatus to cool
Likelihood of occurrence	L score	Severity of outcome		O score
Highly unlikely	1	Slight inconvenience		1
May happen but rare	2	Minor injury		2
Does happen but rare	3	Medical attention required		3
Occurs from time to time	4	Major injury leading to hospitalization		4
Likely to occur often	5	Fatality or serious injury		5