



RISK ASSESSMENT: Thermal Expansion & Contraction of Gases

Please validate the risk assessment by reading through it carefully and adding any additional risks identified.

RISK	LIKELIHOOD	SEVERITY	SCORE	MEASURE
Risk of electrical shock from hotplate	2	3	6	Ensure portable equipment is PAT tested and current
Risk of heat injury to skin at 50 degrees from hotplate or handling flask	2	2	4	Wear gloves
Risk of cold sore from handling ice	2	1	2	N/A
Risk of beaker cracking on hotplate	2	2	4	Ensure flask is Pyrex and heat resistant, wear eye protection

		Potential severity of harm		
		Slightly Harmful 1	Harmful 2	Extremely Harmful 3
Likelihood of harm occurring	Highly unlikely 1	Trivial 1	Tolerable 2	Moderate 3
	Unlikely 2	Tolerable 2	Moderate 4	Substantial 6
	Likely 3	Moderate 3	Substantial 6	Intolerable 9

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