

# Qualitative Risk Assessment

	Risk	Hazard	Likelihood	Control
1	Handling Sodium hydroxide (NaOH)	Corrosive if inhaled; Can cause burning sensation, pain, redness if comes in contact	Unlikely	Handle with care; Use of safety goggles, lab coat, gloves; good ventilation
2	Carrying Lithium battery	Combustible gas release, corrosive electrolyte release, fire	Rare	Managing fire and fumes emissions; neutralizing electrolyte spillage
3	Handling electrical devices close to water	Electric shock	Unlikely	Handling the equipment with precautions, not using wet hands
4	Handling sodium sulphide	Formation of hydrogen sulphide	Unlikely	Carrying out the experiment in fume hood, Wearing safety goggles
5	Handling nitrogen gas	Nitrogen can act as asphyxiate; Nitrogen cylinder may fall	Rare	Carrying out the experiment in well ventilated area; Nitrogen cylinder must be attached to the bench or trolley so that it does not fall off