

Student risk assessment: preparing a soluble salt

Name of salt being prepared: copper sulfate

Name of student completing the form _____ Class _____ Date _____

Complete the sentences

A _____ is anything which could cause harm, eg concentrated sulfuric acid, a bag on the floor or _____.

A _____ is the chance or probability of harm actually happening and the severity of that harm.

Complete the form using any practical instructions you have been given and the CLEAPSS student safety sheets (SSS) from science.cleapss.org.uk/Resources/Student-Safety-Sheets/ (SSS codes given in the table). You can also refer to the practical video

Preparing a soluble salt for guidance, see: rsc.li/3pmV9sw.

Hazardous substance or procedure	Hazard	Precautions/control measures to reduce risk
1.4 M Sulfuric acid – see SSS022		
Copper oxide (solid) – see SSS040		

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Copper sulfate (solution and solid) – see SSS040		
Heating the sulfuric acid at the start and reacting it with copper oxide		
Evaporating the solution to form a saturated solution of copper sulfate		
Pouring hot copper sulfate solution into an evaporating basin		

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