## OSA CRYSTAL INVESTIGATION RISK ASSESSMENT FORM

This must be included with your report, logbook or entry. One form per entry.

STUDENT(S) NAME:				ID:	
SCHOOL	:				
TEACHER/SUPERVISOR:				DATE:	
Investigo	ıtion Title: Cryst	al Investigatio	on		
1. Activity	y Description:				
approved and leavi data, and	salt. The proces	ss involves dis d over severa	solving the salt i I days or weeks	in warm or ho	potassium sulfate (alum) or another t water, allowing the solution to cool, mation. Students will observe, record
Hazard	Possible Risk	Likelihood	Consequence	Risk Rating	Control Measures
Handling alum or other salts	Skin or eye irritation	Unlikely	Minor	Low	Wear safety glasses and gloves when preparing or handling solutions. Wash hands after use.
Heating water or solution	Burns or scalds	Possible	Moderate	Medium	Only heat water under teacher supervision. Use a hot water bath or kettle, not an open flame. Allow solution to cool before handling.
Glassware or containers	Cuts from breakage	Unlikely	Minor	Low	Use plastic or borosilicate containers. Inspect glassware for cracks before use. Dispose of broken glass safely.
Spills and wet surfaces	Slips or falls	Unlikely	Minor	Low	Clean up spills immediately. Work in a dry, clear area.
Ingestion or inhalation of materials	Poisoning or irritation	Rare	Major	Medium	Never taste or inhale powders. Label containers clearly. Store solutions safely away from food areas.
Prolonged experiment duration	Contamination or mould growth	Possible	Minor	Low	Use lids or covers on containers. Dispose of old solutions safely. Moni-tor progress regularly.
	valuation isk: Low to Med risk (after contr				
4. Contro	ol Measures Sun	nmary			
<ul> <li>Conduct experiment under supervision.</li> <li>Use PPE: safety glasses, gloves, closed-toe shoes.</li> <li>Prepare only small quantities of solution.</li> </ul>				Ensure clear labelling of all containers. Clean workspace after each session. Dispose of leftover materials according to school chemical disposal guidelines.	
5. Respor	nsibilities				
<b>Role</b> Teacher,	/Supervisor	Name			Responsibilities  Oversee preparation and safety, approve student plans.

Student/s

Follow instructions, use PPE,

report spills or incidents.