

Laboratory Risk Assessment

Procedure	Preparation of sediment samples for Cladocera analysis and slide preparation
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Level of Risk	Low
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Hazard	Risk	Recommended Control
Preparation of 10% Potassium Hydroxide from Potassium Hydroxide pellets	Personal injury – chemical burns, eye injury, cuts Damage to glassware – exothermic reaction produces heat, flawed glassware may break	?? Lab coat, safety glasses and gloves must be worn at all times ?? Ensure glassware is free of cracks or flaws ?? Prepare in fume cupboard with 1 litre beaker in cold water ?? Do not handle until beaker has cooled ?? Stir slowly to avoid spillage
Use of 10 % KOH	Personal injury – chemical burns, eye injury	?? Lab coat, safety glasses and gloves must be worn at all times ?? Clear up any spillages immediately according to COSHH guidelines
Use of safranin		?? Wear gloves ?? Clear up spillages immediately
Use of hot plate	Personal injury – risk of burns	?? Wear gloves and lab coat, and ensure sleeves cover arms sufficiently
Use of Glycerol jelly	Personal injury – burns, eye injury	?? Hot jelly should be handled with care ?? Wear lab coat, safety glasses and gloves ?? Use in fume cupboard ?? Harmful if ingested ?? Irritant
Use of water bath	Personal injury – burns and scalds	?? Wear lab coat, gloves and safety glasses at all times ?? Use tongues to remove jar of jelly from water
Use of Methanol		

Assessment for C.O.S.H.H.

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Substance/ Procedure	Risk of Exposure (L/M/H)	HSE Exposure Limits (mg/m ³)	Local controls used	Disposal	Emergency procedures
Preparation and use of 10% Potassium Hydroxide	L	2	F/C, PPE, DG	A, B	2, 4, 6
Safranin	L	N/A	PPE, DG	A, F	4, 6
Methanol					
Glycerol Jelly	L	N/A	PPE, F/C, DG, (AP IF large amounts being moved, used etc.)	A, F	2, 6