

Colour Change and Colour (KS2) Risk Assessment

Activity	Hazard	Precaution	Risk
Reactions	Material spraying from test-tube	Eye protection worn at all times	Low
<ul style="list-style-type: none"> Copper Carbonate 	<ul style="list-style-type: none"> Harmful if swallowed 	<ul style="list-style-type: none"> Small quantities dispensed in covered tube 	Low
<ul style="list-style-type: none"> Hydrochloric Acid 0.5M 	<ul style="list-style-type: none"> Irritant 	<ul style="list-style-type: none"> Low concn solution used Irrigate if comes into contact with skin etc Mop up spill immediately 	Low
<ul style="list-style-type: none"> Universal Indicator 	<ul style="list-style-type: none"> Non-hazardous 		None
<ul style="list-style-type: none"> Sodium Carbonate (saturated soln) 	<ul style="list-style-type: none"> Harmful if swallowed. Irritant 	<ul style="list-style-type: none"> Irrigate if comes into contact with skin. Mop up spills immediately 	Low
<ul style="list-style-type: none"> Ammonia 0.5M 	<ul style="list-style-type: none"> Irritant above 0.1 M 	<ul style="list-style-type: none"> Only 1 cm³ solution used. Dispensed in bunged tube 	Low
Indicator	<ul style="list-style-type: none"> No hazards identified during preparation 	<ul style="list-style-type: none"> Red cabbage grated in advance 	Very low
<ul style="list-style-type: none"> Red Cabbage 	<ul style="list-style-type: none"> Non hazardous 		None
<ul style="list-style-type: none"> Vinegar 	<ul style="list-style-type: none"> Ethanoic acid irritant above 1.5M 	<ul style="list-style-type: none"> Safety glasses Dilute commercial product to below 1.5M 	Very low
<ul style="list-style-type: none"> Lemon Juice 	<ul style="list-style-type: none"> Non-hazardous 	<ul style="list-style-type: none"> Safety glasses 	Low
<ul style="list-style-type: none"> "Drain Cleaner" 	<ul style="list-style-type: none"> Sodium carbonate irritant 	<ul style="list-style-type: none"> Safety glasses Label irritant Handle with dropper 	Low
<ul style="list-style-type: none"> "Shampoo" 	<ul style="list-style-type: none"> pH6 buffer and detergent: non-hazardous 	<ul style="list-style-type: none"> Safety glasses 	Low
<ul style="list-style-type: none"> "Bicarb" 	<ul style="list-style-type: none"> Sodium hydrogen carbonate non-hazardous 	<ul style="list-style-type: none"> Safety glasses 	Very low
Weather predictors	<ul style="list-style-type: none"> Cobalt chloride toxic 	<ul style="list-style-type: none"> Safety glasses. 0.1M solution. Label toxic Paint inside object only to avoid contact with skin Wash hands after experiment 	Low
Flame testing	<ul style="list-style-type: none"> Heat hazard 	<ul style="list-style-type: none"> Safety glasses worn Clear instructions Supervised 	Low
<ul style="list-style-type: none"> Barium chloride 	<ul style="list-style-type: none"> toxic 	<ul style="list-style-type: none"> Use 0.2M solution Label as toxic 	Low

		<ul style="list-style-type: none"> Handle only with loop 	
<ul style="list-style-type: none"> Lithium chloride 	<ul style="list-style-type: none"> irritant 	<ul style="list-style-type: none"> Label as irritant. Use small quantity of solid 	Low
<ul style="list-style-type: none"> Copper sulphate 	<ul style="list-style-type: none"> Harmful at 1M and above 	<ul style="list-style-type: none"> Use 0.5M solution 	Low
<ul style="list-style-type: none"> Sodium chloride 	<ul style="list-style-type: none"> Non-hazardous 		None