



SAFETY SHEET

Biopolymers to prevent cancer

Substance	Hazard	Comment
0.1% w/v aq. CaCl_2 solution	-	Not a hazardous solution
0.1% w/v aq. FeCl_3 solution	 	H290: May be corrosive to metals H302: Harmful if swallowed H315: Causes skin irritation H318: Causes serious eye damage P280: Wear eye protection P302 + P352: IF ON SKIN: Wash with plenty of soap and water P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes
2% w/v High G alginate solution (containing Manugel GHB and food colouring)	-	Not a hazardous solution
2% w/v High M alginate solution (containing Protsea AFH and food colouring)	-	Not a hazardous solution

Typical control measures to reduce risk

- Work only with dilute solutions or Ca(II) and Fe(III) salts

Assessing the risks

- What are the details of the activity to be undertaken? What are the hazards?
- What is the chance of something going wrong? *Eg, Is there the possibility of theft or foolish behaviour?*
- How serious would it be if something did go wrong?
- How can the risk(s) be controlled for this activity? *Eg, Can it be done safely? Does the procedure need to be altered? Should goggles or safety spectacles be worn?*

Emergency action

- In the eye** If salt or alginate solutions contaminates the eye, flood with gently running tap water for 10 minutes. See a doctor.
- Swallowed** Do no more than wash the mouth with water. Do **not** induce vomiting. See a doctor.
- Spilt on the floor, bench, etc** Scoop spilled carbon into a container. Wipe any spilled dye solutions with absorbent cloths.