

SAFETY SHEET

Protein Building Blocks

Substance	Hazard	Comment
0.1 M Hydrochloric acid		<p>H315 – Causes skin irritation</p> <p>H319 – Causes serious eye irritation</p> <p>P264 – Wash exposed skin thoroughly after handling</p> <p>P280 – Wear protective gloves, eye protection</p> <p>P302 + P352 – If on skin: wash with plenty of soap and water</p> <p>P305 + P351 + P338 – If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>P332 + P313 – If skin irritation occurs: get medical advice/ attention</p> <p>P337 + P313 – If eye irritation persists: Get medical advice/ attention</p> <p>P362 – Take off contaminated clothing and wash it before reuse</p>

Typical control measures to reduce risk

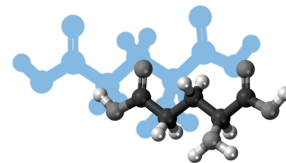
- Operate under school procedures for Bunsen burners and heating. Make sure students stand for the duration of the experiment.
- Students may feel this experiment is less “serious” due to the use of food grade materials. Impress on them the lab rules and that these still apply.
- Check for allergies before beginning the experiment

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

- ⇒ **Burns** Run burn under cool water for at least 10 minutes or until the pain is reduced. If serious, call 999 or 112 for medical assistance.
- ⇒ **In the eye** Flood with gently running tap water for 10 minutes. See a doctor
- ⇒ **If swallowed** Wash the mouth with water. Do not induce vomiting. See a doctor.
- ⇒ **Spilt on the floor, bench, etc.** Soak up acid with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.



⇒ **If inhaled**

Move person into fresh air. If not breathing, give artificial respiration. See a doctor