


SAFETY SHEET

Fuel cells for future energy

Substance	Hazard	Comment
0.38 M KOH (aq)		<p>WARNING</p> <p>Causes skin and serious eye irritation</p> <p>Wear eye protection</p>

Typical control measures to reduce risk

- Keep volumes and concentration of KOH(aq) used low (below 0.4 M)
- Keep careful control of stocks to prevent theft
- WEAR EYE PROTECTION

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?

Emergency action

- **In the eye** If solutions get in the eye, rinse for several minutes. Remove contact lenses if present and easy to do so and continue rinsing. If eye irritation persists see a doctor.
- **On skin** If KOH(aq) solution is spilt on skin, remove contaminated clothing and rinse with water.
- **Swallowed** Do no more than wash the mouth with water. Do **not** induce vomiting. See a doctor.
- **Spilt on the floor, bench, etc** Wipe any spilled ethanol solutions up with absorbent cloths.
- **Ethanol catches fire** Report immediately to a fire marshal. Trained personnel: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.