



# **Hazardous Substances (HAZCHEM)**

## **Handout 4**

### **Example Of Risk Management w.r.t HCA**

<b>Task/Activity</b>	<b>Hazard Identification</b>	<b>Access the Risk</b>
Transportation of raw material and chemicals	Spillage of material during transportation	Exposure of the liquid chemical can cause injuries and burn. Especially acetic acid, Pyridine, Hydrochloric acid etc. The liquid material spillage can cause land pollution, air pollution due to spread of vapors of the chemicals
Storage of raw material and finished product	Spillage of material during handling. The material may catch fire as some chemicals like Pyridine, Ethanol are flammable Health risks in case of contact with material.	Exposure to toxic vapors and fumes. Health risk to workers  Risk of catching fire
Disposal of solid and hazardous waste like packing material and used chemical drums.	Exposure to toxic remains of material. Injury while handling solid and hazardous waste drums	Health effect and minor injury
Storage and handling of finished goods.	Chances of spillage while transferring from reactor to storage drum or container. Chances of accident while transporting the goods.	Injury to workers. Health risks are also involved.