

Case Study on Chemical Management in Textile Industry

A fire has been broken out on 6 March 2021 at a chemical warehouse of a garment factory in Dhaka, Bangladesh. The whole news can be found in this link

<https://www.dhakatribune.com/bangladesh/nation/2021/03/06/42-injured-in-gazipur-garment-factory-fire>

It was guessed a chemical might cause a fire. You will be provided with a list of chemicals used in this plant.

Please answer the following question based on the news and provided SDS of the chemicals:

1. What are the possible causes for chemical fire?
2. Find out the safety datasheet (SDS) of the chemical provided?
3. Check out the quality of SDSs according to the GHS format.
4. Which of the chemicals used in the plant might have caused a fire?
5. Are any of them in the MRSL of bluesign® system substance list (BSSL) and should be eliminated anyway?
6. Pick a scenario involving at least two of the common causes of incidents (unit 11) you consider most likely in this case.
7. Prepare a Risk Assessment of this scenario.
8. What could be possible control measures to avoid this incident - including exposure of employees to hazards - in your workplace (e.g. storage, transport, handling, training, ...)?