

執行機構
Implementation Agent



主辦機構
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Chemical Management System (CMS) Workshop

CASE STUDY

Recently, governments have raised concern on the use of hazardous substances which leads to pollution as well as the risk of explosions in textile facility. Fashion industry is the second most polluting industry in the world. Different national regulations are therefore imposed on chemical storage and handling in order to achieve a better chemical management in textile industry.

Below is a case study about **FashionNIC Limited**, which owns a fashion store in Hong Kong and a fabric factory in mainland China. FashionNic Ltd. also purchases some products or fabric materials from other factories.

Facing the current problem, FashionNIC Ltd has always been improved in the company operation and the factory's chemicals management system.

Amy Lia, as a General Manager in Safety & Quality Assurance Department of FashionNIC Limited, is a responsible person. She takes every action carefully and neatly. Amy Lia sets her own chemical inventory lists and chemical contingency planning which covers different situations. She not only focuses on the operation of the factory and company, but also workers' health and safety.

Accident Happened

Unfortunately, an accident happened in FashionNic Limited one day.

Kinsman, one of the workers in FashionNic fabric factory, his skin was burned severely by a chemical. According to **Kim** who is the factory leader, that was not the first time happened to Kinsman.

Group Discussions:

- a. **If you are an investigator for this incident, please list out the possible reasons that lead to this incident happened. Please also discuss about Kinsman's attitude and factory management problem.**
- b. **If you are the General Manager in Safety & Quality Assurance Department, what will you propose to the company to avoid this incident happen?**

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Hints & Assessment Steps:

FashionNIC Limited has a systematic chemical management system and also will carry out risk assessment regularly. First of all, they will define the scope covered before starting the chemical management system **(Q1)**. They will perform chemical risk assessment within the define scope **(Q2)**. The risk assessment includes health and safety, supplier and sub-contractor performance **(Q2.1)**. They define all the scopes covered properly and have a list of production sites and processes. After risk assessment, they consider the risk to be relatively low so only set up simple SOP to manage chemical use and no any further action is taken **(Q3)**. For the risk assessment results, they document that **(Q3.1)** and also regularly perform the chemical risk assessment **(Q3.2)**.

Amy Lia,

- General Manager in Safety & Quality Assurance Department
- Responsible in ensuring and familiarizing all of the processes and products comply with the local rules and regulation. She also has listed all the steps in screening on national chemical related regulation that are applicable to her company defined scope **(Q4)**
- She review the compliance of chemical related regulation in these areas: (i) Chemical related operation (ii)Supplier and Sub-contractor Requirements **(Q4.1)**. She will document the result **(Q4.2)** and review the requirement regularly **(Q4.3)**
- She is also familiar with the physical areas in working places with chemical storage and usage **(Q5)**. She reviews it periodically with physical walkthrough **(Q5.1)** and reviews the walkthrough regularly **(Q5.2)**.
- She prepared a chemical inventory list, content as follow: **(Q6, Q6.1)**

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- She ensures her chemical suppliers provide Safety Data Sheet (SDS) for each chemical **(Q7)**.
- Under the risk assessment, she takes safety measures into her consideration. She mainly focuses on the safety and health of workers. As she considers cost-saving for the company, she only provided SOP for safe chemical storage and handling. In addition, extra expenses on Personal Protective Equipment (PPE) available in workspace and proper labeling in storing and handling area will be out of budget from FashionNic Limited **(Q8)**.
- In addition, she focuses on updating the new regulations on the company intranet for employees and also by sending email to alert them. Training on daily safety practices was also done but was not regularly. However, the training efficiency was not evaluated. **(Q9&10)**

In addition,

- She sets her own chemical contingency planning. **(Q11)** Emergency plan has covered different situations such as: (i) Environmental Aspect (e.g. chemical spillage, fire, explosion) (ii) Health and safety Measures (location of emergency kits, devices and first aid kit) **(Q11.1)**
- She will have periodically drills with records **(Q11.2)** and reviewed emergency plan at least once per year **(Q11.3)**
- She has the procedure for the compliance of brand requirements **(Q12)**. She will document the results **(Q12.1)** and review the requirement regularly **(Q12.2)**.
- She also has a procedure in selecting supplier or sub-contractor **(Q13)**. The procedure include: (i) New supplier selecting procedure (ii) Regulation Compliance (iii) Brand RSL/MRSL Requirement **(Q13.1)**. She will document the result **(Q13.2)** and review the company's supplier and sub-contractor regularly **(Q13.3)**

According to the case study above, try to assess how many marks Amy Lia CMS will get.

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