

Biogen Specific Teaching Material

Basic Principles of Safety – Chemicals — Steam





Questions & Answers

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1. What could happen if one inhaled hazardous substances?

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1. Sample answer: Inhaling such substances might trigger any number of illnesses or serious long-term health problems.

2. Which kinds of hazardous substances could cause health problems if leaked through steam?

2. Gases, fine dust and/or vapours if leaked could cause serious health-related problems.

3. What is steam particularly dangerous?

3. Steam is more dangerous than, say water vapours, because it is a gas.

4. Manoeuvring equipment like steam generators and pipelines is safe these days. (true or false)

4. False. Manoeuvring equipment like steam generators and pipelines always comes with a potential danger.

5. When opening a steam valve, what should you always do?

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5. When opening steam valves, one should always wear gloves, stand to the side and open the valve slowly.

6. Are steam temperature and pressure related?

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6. Yes. Steam temperature and pressure are related in that the higher the pressure, the hotter the steam will be.

7. How is clean steam generated?

7. Clean steam is generated using purified water.

8. Name at least two uses of clean steam in your plant.

8. Clean steam is used in the plant for sterilising large tanks and pipes, sterilising liquid media used to grow cells, and providing steam power for our autoclaves, as well as for WFI systems.

Thank you for your attention!

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