Basic Principles of Safety – Pressure

Your Objectives:

At the end of the lesson, you should be able to list the inherent dangers involved in managing pressure systems and to reference the SDS as, and when appropriate.

A pressure difference in closed pipelines can be used to transport liquids, gases or [ ] .

Piping, which includes fittings and joints, is used to move fluids through various applications during manufacturing.

Because it is used to carry different [ ], piping should have to be made of different materials strong enough to withstand [ ] and temperature. Piping includes fixed-in-place [ ] as well as 'flexible' hoses that can also be connected to various other types of [ ].

Biogen uses sanitary piping, typically made of stainless [ ], designed to prevent the collection of liquid accumulating where microorganisms might [ ]. Connections, couplings and fittings should be airtight. Piping drains from the low points and can be easily cleaned and [ ]. Pipes carry various liquids, hot [ ] and steam, and so it is important at Biogen to know which

parts of the piping _____ are under hot pressure, because _____ systems can generate tremendous pressure that can otherwise cause improperly installed equipment parts to snap off, making them potentially harmful projectiles.

The following guidelines are to be used when working with a pressurized pipeline or a hose connection:

- Check pressure _____
- Bleed excess pressure from pressurized lines
- Keep the free end of the hose under control
- Wear proper PPE when handling hot _____

Reminder: Always study the SDS and safety _____ .

Aufgabe Lückentext:

Folgende Wörter bitte in den Lückentext einfüllen.
Jedes Wort kommt einmal vor.
Bitte Gross- und Kleinbuchstaben beachten.

equipment, fluids, flourish, gauges, hydraulic, material, precautions, pressure, pipes, solids, steel, system, sterilized, water