

ASPHYXIATION HAZARDS

ASPHYXIATION CAN HAPPEN ANYWHERE, TO ANYONE



Jan 2021

Chemical Safety Board deployed after six workers were killed at a Poultry Plant in Georgia.



Dec 2020

Leaking Nitrogen kills two workers at a California Food Processing Plant.



Feb 2020

Two people were killed after entering a tank purged with Nitrogen at a steel fabricator facility.



May 2014

Argon welding gas used in a confined space killed one worker and injured a rescuer in the oil and gas industry.



June 201

Carbon Dioxide leaked, killing one person and injuring two firefighters at a fast food restaurant.

NITROGEN CARBON DIOXIDE ARGON HELIUM



Danger of Displacement Inert gas kills by displacing oxygen in the air. Oxygen concentrations below 19.5% are unsafe and people experience immediate impact at 16%.

Liquid Death



Liquid inert gas expands nearly 700 times its original volume when it leaks from equipment.



Highs and Lows

Test all elevations because gas can sink or rise if it is heavier or lighter than air.

Without Warning



Most inert gases are odorless and people can be easily overwhelmed before they realize what is happening.

PREVENT TRAGEDY TOGETHER

We all have a role to play to prevent injury and death due to asphyxiation.



LOOK for inert gas supply lines and storage areas. Ask questions to UNDERSTAND the hazards!

MONITOR the atmosphere, respond to ALARMS, and VENTILATE the area!



MAINTAIN equipment and report leaks immediately, evacuating out of harm's way.

Do not allow complacency to creep into your workspace. **TRUST BUT VERIFY** and speak up when things aren't right. Looking out for each other saves lives!



No one should die at work. Asphyxiation hazards should be considered within an operational risk management program.

CONTACT US

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