

LP Gas and anhydrous ammonia conversion dangers

Avoiding the risk

Maintaining the integrity of your customers' gas systems is the most critical aspect of an LP Gas (liquefied petroleum gas) handler's safety program. Among the key risks is contamination with anhydrous ammonia (NH₃).

LP Gas and NH₃ possess similar vapor pressure characteristics, making interchanging equipment tempting – but it's never a good idea.

LP Gas and NH₃ don't mix

Don't allow service interchanges on any tank or storage container. Serious risks arise in not completely purging the tanks. Once present in an LP Gas system, ammonia and its components spread throughout the system, damaging all the brass and copper fittings they touch.

Compromising your customers' gas systems is only one hazard associated with interchanging tanks. Other risks include liability exposure and increased fire hazard.

Keep tanks secure and legal

LP Gas to NH₃ interchanges aren't the only issue. We have also seen alarming cases of NH₃ tanks being converted for gasoline storage and dispensing, which, in addition to being extremely dangerous, is also illegal.

The National Fire Protection Association (NFPA) standard clearly states that Class 1 liquids, including gasoline, are never to be pressurized. Pumping gas into a converted NH₃ gas tank, or any unapproved container, is against the law.

Include these important warnings in your training with LP handlers:

- **Serious risks are involved in interchanging tanks from any product to another**
- **Dispensing gasoline into a converted LP tank, or any unapproved container, is illegal**

1-800-260-1356 • NationwideAgribusiness.com

The information included in this publication and accompanying materials was obtained from sources believed to be reliable, Nationwide Mutual Insurance Company and its employees make no guarantee of results and assume no liability in connection with any training, materials, suggestions or information provided. It is the user's responsibility to confirm compliance with any applicable local, state or federal regulations. Information obtained from or via Nationwide Mutual Insurance Company should not be used as the basis for legal advice or other advice, but should be confirmed with alternative sources. Nationwide, the Nationwide N and Eagle and Nationwide NSight Solutions are service marks of Nationwide Mutual Insurance Company. © 2024 Nationwide GCO-0293AO.2 (01/24)

