



Anhydrous Ammonia Safety¹

National Institute for Occupational Safety and Health²

Anhydrous means "without water." Because NH₃ CONTAINS NO WATER, it is attracted to any form of moisture. *If exposed to NH₃ -- immediately flush the exposed body area(s) with water for at least 15 minutes. Seek medical attention immediately after emergency first aid treatment.*

Don't be blind to the dangers of Anhydrous Ammonia! Potential health hazards are:

- Blindness,
- Lung Damage,
- Burns, and
- Death

CHECKLIST FOR ANHYDROUS AMMONIA SAFETY

- Wear personal protective equipment,
- Always have ample water supply,
- Inspect and replace hoses and valves as needed,
- Never fill a tank over 85 percent of capacity,
- Bleed off hose pressure before disconnecting,
- Stay clear of hose and valve openings,
- Follow regulations when using equipment,
- Have qualified technician repair tank, and
- Use proper hitch, safety chains and Slow Moving Vehicle sign when towing.

EQUIPMENT SAFETY

Equipment should:

- be additives compatible
- meet NH₃ codes and standards

Any equipment replacement MUST be made "IN KIND":

- same materials of construction
- same specifications

Nurse tank cutting or welding is only to be done by certified welder with R-stamp or Ustamp, or equivalent...if baffle is detached... remove tank from service.

Extra caution is needed when using additives in fill valves to minimize corrosion:

- flush with additive-free ammonia, or
- add small amount of lubricating oil after additive.

VEHICLE TOWING

- Towing vehicles should be of adequate size to handle loaded trailer.
- Each towed trailer should have two (2) safety chains attached...adequately sized and criss-crossed to support the tongue.
- Securely locked hitch pins designed for service.

WATER

- A 5 gallon container of clean and easily accessible water must be mounted to the nurse tank.
- Have multiple sources of water nearby.

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