

WORKER SAFETY

Ammonia Safety

Know the signs. Act fast. Get fresh air immediately.

High-level ammonia exposure can cause death within minutes.

Symptoms can develop or worsen up to 24 hours after exposure.

01

What Is Anhydrous Ammonia

A colorless, highly irritating gas with a sharp, suffocating odor.

Noticeable at 5–50 ppm. Irritation begins at 25–50 ppm. Serious effects above 100 ppm.

02

Immediate Symptoms

Burning eyes, nose, and throat. Coughing, choking at higher doses.

Eye exposure to concentrated gas or liquid can cause blindness.

03

Delayed Health Effects

Most people recover fully from a single low exposure without long-term effects.

After severe exposure, lung and eye injury may continue to develop for 18–24 hours.

04

First Aid Response

Move to fresh air immediately. Provide oxygen and flush with water.

There is no specific antidote. Seek medical evaluation for any significant exposure.

AMMONIA EXPOSURE RESPONSE STEPS

Take these actions immediately if exposure occurs.

- ☐ Remove person from the exposure area to fresh air
- ☐ Call for emergency help if symptoms are severe
- ☐ Flush eyes with water for at least 15 minutes if exposed
- ☐ Flush skin with large amounts of water
- ☐ Remove contaminated clothing carefully
- ☐ Do NOT induce vomiting if ingested
- ☐ Seek medical evaluation even for minor symptoms
- ☐ Report exposure to supervisor and safety team immediately