

# Gas poisoning of ammonia, murderers in minutes

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Ammonia (NH<sub>3</sub>) is one of the most dangerous toxic gases. If inhalation of ammonia is highly concentrated, the victim may burn the nasal mucosa, throat, respiratory failure and may die within a few minutes if not timely emergency.

1. Commercial miscounted with ginseng, the wrong enema with dangerous tonic medicine
2. Smoke - The killer killed invisible in fires
3. Alcohol poisoning: symptoms and treatment

At room temperature, colorless ammonia gas has a strong smell that easily dissolves in water and is lighter than air.

Ammonia gas is usually compressed in liquid form, when exposed to air, it will turn into vapor with very high concentration, so the speed spreads very quickly.



The danger level of ammonia for the body depends on the route of exposure, dose and time. With low concentrations of ammonia, inhalation of the nose and throat will result in irritation of the victim, and if swallowed the body will burn the mouth, throat and stomach.

At high concentrations, ammonia gas can immediately burn skin, eyes, nose, throat, gastrointestinal tract, and even lead to blindness, affecting the lungs and causing death.

# ẢNH HƯỞNG KHI TIẾP XÚC VỚI AMONIAC TRONG MỘT VÀI PHÚT

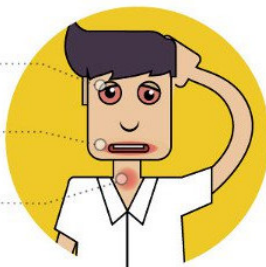
## TRIỆU CHỨNG

## NỒNG ĐỘ (PPM)

## HẬU QUẢ

**<5.000**

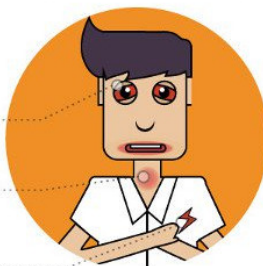
- Mắt đau nhói, sưng đỏ niêm mạc
- Sưng đỏ môi, miệng, đau khi nuốt
- Ho, khàn giọng, phù nề họng



Phục hồi, không có biến chứng ở phổi

**5.000-10.000**

- Các triệu chứng trên trầm trọng hơn
- Sưng mí mắt, rất ngứa
- Khó nuốt, ho có đờm lẫn máu
- Đau thắt ngực, tăng nhịp tim, hô hấp



Tử vong do tắc nghẽn đường hô hấp

**>10.000**

- Tương tự các triệu chứng trên
- Sốc, bồn chồn, căng thẳng
- Tím tái
- Khó thở



Tử vong

Danger of contact with ammonia.(Graphic: Phuong Nguyen).

### Expression of ammonia poisoning

Symptoms when the person inhales, swallows or touches products that contain very large amounts of ammonia:

1. Difficulty breathing, fast breathing, wheezing.
2. Cough, angina.

3. Tears and burns eyes, blind eyes.
4. Severe sore throat, mouth pain, throat edema.
5. Heart beating fast, weak pulse.
6. Nervous disorder, lack of coordination, restlessness, stupidity.
7. Walking hard, dizzy.
8. Pale green lips, severe burns if exposed long.
9. Severe stomach pain, vomiting.



### **How to handle contact and first aid for people with ammonia poisoning?**

1. Before entering, save the victim of ammonia poisoning and use a mask.
2. Move the victim to a safe place, remove clothes that are contaminated with toxic gas, and wash off ammonia from the victim's body with clean water.
3. If a comatose victim needs to do CPR until awake or until a medical staff comes to assist.
4. Quickly take the victim to the nearest medical facility for timely emergency.

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