

ammonium nitrate liquor



What is Ammonium Nitrate Liquor?

Ammonium nitrate liquor is an odorless, colorless or slightly hazy liquid produced by the reaction of ammonia and nitric acid.

How is Ammonium Nitrate Liquor used?

Ammonium nitrate liquor is an important component of many fertilizer mixtures. It provides a source of nitrogen to plants, which increases growth and crop yields. Small quantities of ammonium nitrate liquor are also sold as an additive for mining explosives and other non-agricultural uses.

What are the potential hazards?

Under normal transport conditions, ammonium nitrate liquor is between 75°C (167°F) and 135°C (275°F). Therefore, thermal injuries are possible. Additionally, inhalation of high concentrations of ammonium nitrate liquor vapor can cause respiratory tract irritation with symptoms that include: coughing, sore throat, shortness of breath, or even suffocation. Repeated or prolonged inhalation of vapors or spray mist may produce severe irritation of the respiratory tract, headache, nausea or weakness. When swallowed in high concentrations, ammonium nitrate liquor may cause headache, dizziness, abdominal pain, vomiting, bloody diarrhea, weakness, a tingling sensation, heart and circulation irregularities, convulsions, collapse, and suffocation.

Is Ammonium Nitrate Liquor flammable or explosive?

Ammonium nitrate liquor rating is non flammable, but when exposed to extreme heat it can decompose forming a visible cloud of ammonia, carbon dioxide and nitrogen oxides. Ammonium nitrate liquor can create explosive mixtures if it comes in contact with organic materials.

What are the Emergency Response procedures?

In the event of a spill or accidental discharge, the fire department will attempt to contain the spilled material and prevent the discharge of additional ammonium nitrate liquor. If there is a fire, water will be used to extinguish it. After the spilled ammonium nitrate liquor has cooled off and solidified, it will be placed into suitable disposal containers.

What should you do if you are exposed to Ammonium Nitrate Liquor?

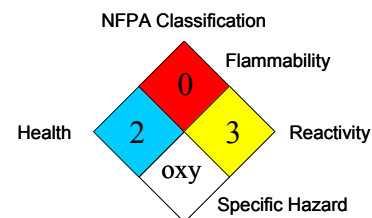
For eye contact:

- Check for and remove contact lenses. **IMMEDIATELY** flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain immediate medical attention.

For skin contact:

- Flush affected area with cool water. Cover with a gauze pad or clean cotton or linen cloth. **DO NOT** attempt to remove adhered material from the skin. Get immediate medical attention.

fact sheet



Where can I get more information? _____

For more information on this product, or other Agrium products, please call Agrium directly at (403) 225-7000.

Information can also be found at the following websites:

• **Agency for Toxic Substances and Disease Registry (ATSDR):**
www.atsdr.cdc.gov

• **Occupational Health and Safety Administration (OSHA):** www.osha.gov

• **Canadian Centre for Occupational Health and Safety:** www.ccohs.ca

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www.agrium.com

For minor inhalation:

- Loosen tight clothing around the neck and waist. Allow the affected individual to rest in a well-ventilated area. Obtain medical attention.

For severe inhalation:

- Use proper respiratory protection to evacuate affected individuals to a safe area as soon as possible. Loosen tight clothing around the neck and waist. Administer oxygen if breathing is difficult. Perform artificial respiration if person is not breathing. Obtain immediate medical attention.

For ingestion:

- If conscious, drink several glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Lower the head so that the vomit will not reenter the mouth and throat. Obtain medical attention.

What should you do in the event of a spill? _____

Follow any special instructions given over the radio, T.V. or by someone in authority.

If there is a fire or an explosion, stay away from the site. Follow standard, marked emergency routes or directions from police to travel to your destination.

If there has been a release of toxic vapors: _____

- Go indoors immediately and tightly close all doors, windows, and openings.
- Turn on your radio or television to a local news station. (*Be prepared to wait a few minutes for news.*)
- Follow any special instructions given over the radio or television, or by someone in authority.
- Shut off all air conditioning units, fans, ventilation systems and clothes dryers. In winter, turn your furnace to its lowest setting and close fireplace dampers.
- Evacuate only if advised to do so by local authorities.

You may wish to: _____

- Place wet towels at the base of doors or breathe through damp towels.
- Bring in pets if they are nearby and easily found.

Unless you are told to do so by authorities: _____

- **DO NOT** evacuate or travel.
- **DO NOT** bring home children from school, or other family members from work.
- **DO NOT** call 911 or any other authority for information. Keep your telephone line free.

When you have been advised of an **ALL CLEAR**, open your house to let it air out. ■