



Information Systems, Inc.

## AMMONIUM HYDROXIDE

### OHS MSDS Summary Sheet To be used with MSDS Number OHS01260

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SUBSTANCE: AMMONIUM HYDROXIDE

CAS#: 1336-21-6      FORMULA: N-H4-O-H

DESCRIPTION: Colorless liquid with a sharp, pungent odor.

**EXPOSURE LIMITS:**

This substance regulated by OSHA and/or ACGIH. See MSDS.

**FIRE AND EXPLOSION HAZARDS:**

No fire hazard. In case of surrounding fire, do not try to stop the fire yourself. Seek the help of firefighting personnel.

FOR SMALL FIRES: Use dry chemical, carbon dioxide, water spray or regular foam.

FOR LARGE FIRES: Use water spray, fog or regular foam.

**HEALTH AND FIRST AID:**

**INHALATION:**

SHORT TERM EFFECTS: May cause irritation, possibly severe. Additional effects may include lack of sense of smell, nausea, vomiting, difficulty speaking, chest pain, difficulty breathing, high blood pressure, headache and lung damage.

LONG TERM EFFECTS: May cause effects as in short term exposure. Additional effects may include digestive disorders.

**SKIN CONTACT:**

SHORT TERM EFFECTS: May cause irritation, possibly severe. Additional effects may include blisters.

LONG TERM EFFECTS: May cause effects as reported in short term exposure.

**EYE CONTACT:**

SHORT TERM EFFECTS: May cause burns. Additional effects may include tearing, numbness, blindness and glaucoma.

LONG TERM EFFECTS: Same effects as short term exposure.

**INGESTION:**

SHORT TERM EFFECTS: May be harmful if swallowed. May cause burns. Additional effects may include fever, difficulty breathing, low blood pressure, kidney damage and shock.

LONG TERM EFFECTS: Same effects as short term exposure.

FIRST AID: Remove from exposure area. If breathing has stopped, perform artificial respiration or CPR. Flush skin/eyes with water for 15 minutes. If vomiting occurs, keep head below hips to prevent aspiration. Get medical attention immediately. See MSDS for further recommendations.

**REACTIVITY:**

Stable under normal conditions. May react dangerously with acids and other chemicals. See MSDS for complete listing.

**SPILL AND LEAK:**

Do not touch spilled material. Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into

containers for later disposal. For small dry spills, with clean shovel place material into clean, dry container and cover. Move containers from spill area. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry.

This material or its components, if spilled, may be reportable under CERCLA and/or SARA. See MSDS for specific reportable quantities. If applicable, contact the National Response Center at (800) 424-8802, or (202) 426-2675.

**SAFETY STEPS AND PROTECTIVE EQUIPMENT:**

You should wear protective clothing, gloves and safety goggles. A respirator may be needed when working in high or unknown concentrations. See MSDS for OSHA/NIOSH recommendations. If an accident occurs, contact safety personnel.

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**For Emergency Source Information contact: (615) 366-2000**