

MATERIAL SAFETY DATA SHEET

AMMONIUM HYDROXIDE 10% SOLUTION

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Product/Chemical Name: Ammonium Hydroxide 10% Aqueous Solution (Component of SpotTest for Nickel kit)

Formula: Molecular formula NH_4OH ; Molecular weight: 35.05 CAS # 1336-21-6 UN # 2672

Physical Description: Clear liquid with characteristic penetrated pungent odor

Special Hazards: Inhalation can cause irritation(5 ppm); 9-50 ppm: moderate irritation; 150 ppm:may cause laryngeal spasm; 500 ppm: increased blood pressure and heart rate and upper respiratory tract irritation; 700 ppm-immediate irritation; 1500-10,000 ppm: dyspnea, chest pain, rapid asphyxia and delayed pulmonary edema which may be fatal.

Unusual Fire/Explosion Hazards: Slight fire hazard when exposed to heat or flame.

Fire Fighting media: dry chemical, carbon dioxide, water spray or regular foam.

Reactivity: Stable. Strong oxidizers, acids, halogens, salts of silver & zinc [Note: Corrosive to copper & galvanized surfaces.]

Hazardous Decomposition Prodcuts: N/A

Spill or Leak Procedures

Action: For small spills take up with sand or other absorbent material and place into clean, dry containers for later disposal.

Disposal Method: To be performed in compliance with all current local, state & Federal Regulations.

Overexposure Effects: Not available

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing and shoes immediately. Wash affected area with soap and large amounts of water until no evidence of chemical remains (approx 15-20 minutes).

Eyes: Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline occasionally lifting upper & lower lids, until no evidence of chemical remains (approx 15-20 minutes). Get medical attention immediately

Ingestion: Check for and remove any dentures. Do not induce vomiting unless instructed to do so by medical personnel. Treat symptomatically and supportively. Dilute the alkali by giving water or milk immediately. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

Inhalation: Remove from exposure area to fresh air. If breathing has stopped perform CPR. Administration of oxygen should be performed by qualified personnel. Get medical attention immediately.

Storage Recommendations: Store at room temperature.

Special Protection Information

Exhaust ventilation recommended. Eye protection and rubber gloves is recommended.

Special Handling Precautions

Do not spill on skin or get in eyes. Avoid breathing vapors and dust. UN Hazard Class: 8. UN Packing group: III.