



**Fabpro, Inc.**

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**HAZARD RATING HMIS**

Health=1, Flammability 0, Reactivity= 0  
(Index: 4=very high, 3=high, 2=moderate  
1=slight, 0=insignificant)

**Material Safety Data Sheet**

**I. General Information**

<b>Trade Name &amp; Synonym</b> Ammonia Alkaline Solution 7%		<b>Chemical Family</b> inorganic gas mixture
<b>Chemical Name &amp; Synonym</b> Mixture	<b>Date prepared</b> August 1995	<b>Prepared by</b> Aziz Ullah Ph.D.

**II. Ingredients**

Water, Ammonium Hydroxide

**III. Physical Properties**

**Boiling Point**

Approx. 212°F

**Specific Gravity (Water=1)**

1.0

**Vapor Pressure (mm Hg.)**

ND

**Melting Point**

Below 32°F

**Vapor Density (AIR=1)**

>1

**Evaporation Rate (Butyl Acetate=1)**

>1

**Solubility in Water**

Soluble

**Appearance and odor**

Clear ammonia smell

**pH (Liquid as is )**

10.0-11.6

**IV. Fire and Explosion Hazard Data**

**Flash Point (TOC)**

Over 200°F

**Flammable Limits**

NA

**LEL**

**UEL**

NA

**Extinguishing Media**

Foam, CO<sub>2</sub>, Dry Chemical, Water Fog

**Special Fire Fighting Procedures**

Usual fire fighting procedures can be used

**Unusual Fire and Explosion Hazards**

None known

**V. Reactivity Data**

**Stability**

Unstable

**Conditions to avoid**

Stable

X

**Incompatibility (Materials to avoid)**

Acids, strong oxidizing agents

**Hazard Decomposition or Byproducts**

When exposed to fire emits normal products of combustion

**Hazardous**

May occur

**Conditions to avoid**

**Polymerization**

Will not occur

X

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VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	yes	No	yes	yes

Health Hazards

Direct contact of product with eyes can cause severe irritation; product can cause discomfort if taken internally

Signs and Symptoms of Exposure

Irritation discomfort

Medical Conditions Aggravated by Exposure

None known

Emergency and First Aid Procedures

Flush thoroughly with water. If irritation persists see physician, if ingested drink milk or water see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water, (non-hazardous waste)

Waste Disposal Method

Check with federal state or local regulations. Waste may be discharged into sanitary sewer as non-hazardous waste if regulations permit

Precautions to be taken in Handling and Storing

Keep away from heat; keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

General room ventilation is adequate

Ventilation	Local Exhaust	Special
Mechanical ventilation		

  

Mechanical	Other

Protective Gloves

For repeated contact impermeable gloves suggested

Eye Protection

Monogoggles suggested

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

Wash after handling Keep out of reach of children

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