

MSDS - Material Safety Data Sheet

Product Name: AMMON. HD GLASS CLEANER

MSDS No.: G147

I. Basic Information:

Manufacturer: GRIFFIN BROS. Inc.

Address: P.O. Box 42194

Emergency / Information 800-456-4743

City, ST Zip: Portland, OR 97242

Last Update: 1/ 7/99

Chemical State: Liquid Gas Solid

24 Hour Emergency
CHEMTREC 800-424-9300

Chemical Type: Pure Mixture

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z 313	SARA OSHA PEL	ACGIH TLV	Other Limits
1336216	Ammonium hydroxide								
67630	Isopropyl alcohol (mfg-strong acid process)					X	400ppm	400ppm	none

III. Hazardous Identification:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

IV. First Aid Measures:

Route(s) of Entry:

Eyes, Skin, Inhalation, Ingestion.

Health Hazards (Acute and Chronic):

Eyes-irritation../Skin-redness, possible dermatitis./Ingestion-Esophagal and Stomach Cramps/Inhation-may cause dizziness, headache.

Signs and Symptoms:

Irritation-burning sensation Cramps, Dizziness

Medical Conditions Generally Aggravated by Exposure:

Dermatitis.

Emergency and First Aid Procedures:

Skin-rinse with plenty of water./Eyes-rinse with water for 15 minutes./ Ingestion-Give water. Induce Vomiting./Inhalation-remove to fresh air.Call a physician if necessary.

V. Fire Fighting Measures:

Flash Point: n/a **Lower Explosive Limit:** n/a **Upper Explosive Limit:** n/a

Fire Extinguishing Media: n/a

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n/a

Unusual Fire and Explosion:

n/a.

VI. Accidental Release Measures:**Steps to be Taken in Case Material is Released or Spilled:**

mop up and rinse..

VII. Handling and Storage:**Precautions to be Taken:**

Avoid storing or heating to elevated temperatures.

Other Precautions:

none

VIII. Exposure Controls/Personal Protection:**Ventilation Requirements:**

Local Exhaust.

Personal Protective Equipment:

Plastic or rubber gloves. Safety glasses if contact likely.

IX. Physical and Chemical Properties:

Boiling Point: 80 C	Specific Gravity (H₂O = 1) 0.95	Melting Point: n/a	Evaporation Rate: 2.5
Vapor Pressure (mm Hg.): n/a	Vapor Density (AIR = 1): n/a		
Solubility In Water: 100%			
Appearance and Odor: Blue liquid, ammonical			

X. Stability and Reactivity:**Stability:**

Stable.

Incompatibility (Materials to Avoid):

none known

Decomposition/By Products:

none except ammonia vapor.

Hazardous Polymerization:

Will not occur.

XIII. Disposal Considerations:

Dispose according to Local, State and Federal regulations.