
Section I. General Information

Manufacturer Name: U.S. AG LLC.
56 North Main
Luthersville, GA 30251
770-927-3206

Date Prepared: 3/06/09

Emergency Phone No: 1-800-535-5053

Product Name: Liquid HA-12
Chemical Family: 12% Nitrate Nitrogen

Section II. Hazardous Ingredients/Identity Information

Potassium Hydroxide >4<25 %

Section III. Physical and Chemical Characteristics

Boiling Point:	212°F	Solubility in water:	N/A
Melting Point:	N/A	Evaporation Rate:	
Specific Gravity:	1.05	Freezing Point:	
Vapor Pressure:	N/A	Appearance & Odor:	Dark blackish brown liquid, slight odor
Liquid:	yes	Mixture:	yes

Section IV. Fire and Explosion Hazard Data

Flashpoint:	Non-flammable	Extinguishing Media:	This product does not support combustion
Special Firefighting Techniques:	None	Unusual fire & Explosion Hazard:	None

Section V. Reactivity Data

Stability:	Stable under normal temperature and pressure	Incompatibility (materials to avoid):	None
Hazardous decomposition products:	None	Conditions to avoid:	None

Section VI. Health Hazard Data

Routes of entry:	Ingestion	Health Hazards:	None
Effects of overexposure:	Acute Chronic		
	None None Anticipated		
Acute Oral LD ₅₀ :	N/A		

Emergency & First aid procedures

Eyes:	Flush with large amounts of water
Skin:	Rinse thoroughly
Ingestion:	If ingested dilute with large quantities of water or milk. Further dilution possible with diluted vinegar or juice

Section VII. Precautions For Safe Handling & Use

Spills or releases:	Dilute with water
Waste Disposal:	To be performed in compliance with all federal, state and local regulations
Precautions in handling/storage:	None

Section VIII. Special Production Information

Ventilation: 1 Oval exhaust sufficient
Special ventilation: None required
Personal Protection: Safety goggles recommended
Gloves (latex or butyl) recommended
Other: N/A
Monitoring exposures: None

Section IX. Special Precautions and Comments

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