

# MATERIAL SAFETY DATA SHEET

## Part # AGSIS01

### Section I: General Information

Product Name: Silver ISA 5M NaNO<sub>3</sub>  
Manufacturer's Name: Van London pHoenix Company  
Distributed By: Van London pHoenix Company  
Address: 6103 Glenmont Dr. Houston, Texas 77081  
Phone: 713/772-6641 Fax: 713/772-4671

Chemical Name: Sodium Nitrate in Water  
Chemical Family: Salt solution  
DOT Shipping Info: N/A  
IATA Shipping Info: N/A

### Section II: Ingredients

CAS No.	%	Chemical Name	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
7631-99-4	42.5%	Sodium nitrate	913	None
7732-18-5	57.5%	Water	---	None

### Section III: Physical Data

Boiling Point: 100°C  
Specific Gravity: 1.1  
Vapor Pressure: N/A  
Freezing Point: -4°C  
Vapor Density: N/A  
pH: 5.5-7.5  
Water Solubility: Soluble  
Appearance & Odor: Colorless, odorless liquid

### Section IV: Fire & Explosion Hazard Data

Flashpoint: Not Flammable  
Auto ignition Temperature: N/A  
Extinguishing Media: Any  
Special Fire Fighting Procedures: N/A  
Unusual Fire & Explosion Hazards: Nitrate may render other materials more combustible if allowed to dry out upon them.

## Section V: Health Hazard Data

Effects of Overexposure:	Dizziness, nausea, weakness if taken internally.
Emergency & First Aid:	Wash off affected area with water or induce vomiting if ingested.
Eyes & Skin:	Wash off with large amounts of water for 15 minutes.
Ingestion/Inhalation:	Induce vomiting. Consult physician.

## Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	Storing near heat or incompatible chemicals.
Incompatibility:	Reducing agents, B, BaS, Charcoal, S, Ti, Sodium acetate, trichloroethylene.
Hazardous Decomposition Products:	Oxides of nitrogen upon heating to decomposition.
Hazardous Polymerization:	Will not occur.

## Section VII: Spill or Leak Procedures

Steps to be Taken:	Dilute with water, and cover with soda ash, mix and scoop into a beaker of water, neutralize with HCl and wash down drain with excess water.
Waste Disposal Method:	Add to a large container of water, stir in slight excess of soda ash. Let stand 24 hours. Neutralize with 6M HCl and wash down drain with excess water. Observe all federal, state, and local laws.

## Section VIII: Special Protection Information

Respiratory Protection:	N/A
Ventilation:	N/A
Protective Gloves:	N/A
Eye Protection:	Safety goggles
Other Protective Equipment:	N/A

## Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Store at room temperature and keep tightly sealed to protect product integrity.
Other Precautions:	Sodium nitrate is listed in table 172.101 of Title 49 CFR.

Issue Date: May 1, 2007

Name: Peter F. Boyle, Quality Control Manager

Signature:

A handwritten signature in cursive script that reads "Peter Boyle". The signature is written in black ink and is positioned below the printed name.