

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: ICP Standard

APS-100014-1

Alpha Resources, Inc.  
P.O. Box 199  
Stevensville, MI 49127  
Phone: 269-465-5559

## 2. HAZARDOUS INGREDIENTS

CAS NO.	%V	CHEMICAL NAMES	TWA (mg/m3)
7697-37-2	2	Nitric Acid	5

## 3. HAZARD IDENTIFICATION

Harmful if swallowed, inhaled or absorbed through skin. Corrosive, may cause severe burns. Material is destructive to tissue of the mucous membranes and upper respiratory tract/eyes/skin. Inhalation may be fatal as a result of spasm/inflammation and edema of the larynx and bronchi/chemical pneumonitis/pulmonary edema.

ROUTES OF ENTRY: Inhalation, ingestion, or absorption.

MEDICAL CONDITIONS AGGRAVATED: Skin conditions and eye problems.

CARCINOGENICITY: The principle component is not listed (IARC, NTP, OSHA) as a carcinogen. The solution does contain components in low concentration which may be considered as carcinogens. All minor components are listed in Appendix I.

## 4. FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes.

INHALATION: Removed to fresh air immediately. If necessary, aid with breathing and seek medical help

SKIN: Immediately flush with water for 15 minutes.

INGESTION: If conscious, give water and do not induce vomiting. Never give an unconscious person anything by mouth. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

FIRE AND EXPLOSION HAZARDS: Emits toxic and acidic fumes under fire conditions.

EXTINGUISHING MEDIA: Water, dry chemical, foam of CO2.  
FIREFIGHTING INSTRUCTIONS: Wear a self-contained breathing apparatus and protective clothing to protect from acid.

## 6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Wear suitable protective equipment. Neutralize with Sodium Carbonate. Follow federal state and local regulations.

## 7. HANDLING AND STORAGE

Keep container in a cool dry place. Use with adequate ventilation, wear gloves and protective eye equipment, and chemical resistant clothing.

## 8. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Heat, strong bases, strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes, NOx

HAZARDOUS POLYMERIZATION: None.

## 9. SPECIAL PRECAUTIONS

This material should be used only by personnel trained in handling hazardous substances.

### SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Appendix I (Minor Components of standard which may be carcinogenic)

Element	CAS#	mg/L	Suspected or known Carcinogens/ Highly Toxic Substances marked with an X
Copper	7440-50-8	1000.0	

Date Prepared: January 11, 2013  
Prepared by: Ken Mantei