

**APG****Analytical Products Group, Inc.**2730 Washington Blvd., Belpre, OH 45714  
740-423-4200 800-272-4442 Fax 740-423-5588**Material Safety Data Sheet**

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Page 1

**Section I: Product Identification**

CATALOG NUMBER: 500/4050/4052/4053/6200/6202/226200	PRODUCT NAME: Minerals
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**Section II - Hazardous Ingredients/Identity Information**

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Hydrochloric Acid	7647-01-0	5 ppm	<1%

**Non-Hazardous Ingredients/Identity Information**

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Water, Inorganic salts			100%

\* components are calculated on a weight/weight basis.

**Section III - Physical/Chemical Characteristics of Hazardous Ingredients**

BOILING POINT: 110°C	SPECIFIC GRAVITY: (water=1) 1.19		
VAPOR PRESSURE: 160 mm Hg at 20°C	SOLUBILITY IN WATER: Complete	APPEARANCE/ODOR: Clear colorless liquid with pungent odor.	

**Section IV - Fire and Explosion Hazard Data**

FLASH POINT (Method used): Not available	AUTO IGNITION TEMPERATURE: Not available	FLAMMABLE LIMITS Not available	LEL	UEL
EXTINGUISHING MEDIA: Non-flammable, use extinguisher media appropriate for surrounding the fire.				
SPECIAL FIRE FIGHTING PROCEDURES:				
UNUSUAL FIRE AND EXPLOSION HAZARDS:				

**Section V - Reactivity Data**

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: None known
INCOMPATIBILITY (Materials to avoid): Water reactive materials			
HAZARDOUS DECOMPOSITION PRODUCTS: None known			
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:

**Section VI - Health Hazard Data**

<b>ROUTES OF ENTRY</b>	Inhalation?	Skin?	Ingestion?
HEALTH HAZARDS (Acute and Chronic): ACUTE: None known CHRONIC: None known			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: None known			
SIGNS AND SYMPTOMS OF EXPOSURE: None known			

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known
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EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment, observation and support if necessary. SKIN CONTACT: Flush with water. INHALATION: N/A INGESTION: Drink excess water to dilute salts in system.	EYE CONTACT: Flush with water.
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### Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb and dispose of material, may be flushed to sewer.
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WASTE DISPOSAL METHOD: Dispose as non-hazardous waste, may be flushed to sewer.
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Treat as non-hazardous sample.
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OTHER PRECAUTIONS* Analytical standards should never be heated or evaporated to dryness.
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### Section VIII - Control Measures

RESPIRATORY PROTECTION (Please specify): None required
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VENTILATION: Local exhaust
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PROTECTIVE GLOVES: None required
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EYE PROTECTION: Safety glasses
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OTHER PROTECTIVE EQUIPMENT:
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EMERGENCY WASH FACILITIES: Maintain eye and quick drench showers in work area.
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The information stated in this Material Safety Data Sheet (MSDS) is believed to be correct on the date of publication and must not be considered all conclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

This product is furnished for laboratory use ONLY! Our standards may not be used as drugs, cosmetics, agricultural or pesticidal products, food additives or as house hold chemicals.

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