

**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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**Section I: Product Identification**

CATALOG NUMBER: 200/4020/4022/4023//6020/6022	PRODUCT NAME: Nutrients
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**Section II - Hazardous Ingredients/Identity Information**

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
No hazardous component greater than 1%			

**Non-Hazardous Ingredients/Identity Information**

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Water, inorganic and organic compounds.			100%

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

**Section III - Physical/Chemical Characteristics**

BOILING POINT: >100 C	SPECIFIC GRAVITY: (H20=1)		
VAPOR PRESSURE: 760 MMHG @ 100 C	SOLUBILITY IN WATER: Complete	APPEARANCE/ODOR: Clear, colorless and odorless liquid.	

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

FLASH POINT (Method used): N/A	AUTO IGNITION TEMPERATURE: N/A	FLAMMABLE LIMITS N/A	LEL N/A	UEL N/A
EXTINGUISHING MEDIA: Sample is non-flammable, use extinguisher media appropriate for the surrounding fire.				
SPECIAL FIRE FIGHTING PROCEDURES: N/A				
UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known				

**Section V - Reactivity Data**

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: N/A
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: N/A

**Section VI - Health Hazard Data**

<b>ROUTES OF ENTRY</b>	Inhalation? No	Skin? Yes	Ingestion? Yes
	HEALTH HAZARDS (Acute and Chronic): ACUTE: N/A CHRONIC: N/A		
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: None Known			
SIGNS AND SYMPTOMS OF EXPOSURE: N/A			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A			
EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush with water SKIN CONTACT: Wash with soap and water INHALATION: N/A INGESTION: Drink excess water to dilute salts, vomiting may occur.			

**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.
WASTE DISPOSAL METHOD: Dispose as non-hazardous waste, may be flushed to sewer.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Treat as non-hazardous sample.
OTHER PRECAUTIONS* NA

**Section VIII - Control Measures**

RESPIRATORY PROTECTION (Please specify): None required	
VENTILATION: Local exhaust	
PROTECTIVE GLOVES: None required	EYE PROTECTION: safety glasses
OTHER PROTECTIVE EQUIPMENT: NA	
EMERGENCY WASH FACILITIES: maintain eye wash and quick drench showers in work area.	

**Section IX – WHMIS Class – Not Hazardous**

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.

\* Various Government agencies (i.e., Department of Transportation, Occupational Safety and Health Administration, Environmental Protection Agency, and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.