

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**

Date prepared on: 6/6/96

Last revised on: 1/20/08

Page 1

Section I: Product Identification

CATALOG NUMBER: 4680/4682/5190/5192/4890/4892/224890/6220/6222/226220	PRODUCT NAME: Turbidity
--	-------------------------

Section II - Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Hydrazine Sulfate	10034-93-2	NA	<0.5
Hexamethylene Tetramine	100-97-0	NA	<5
Formaldehyde 37%	50-00-0	0.75 ppm	0.05

Non-Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Water	7732-18-5	NA	>94%

* Components are calculated on a weight/weight basis.

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

BOILING POINT: Decomposes	SPECIFIC GRAVITY: 1.4	
VAPOR PRESSURE: NA	SOLUBILITY IN WATER: 3%	APPEARANCE/ODOR: Crystals, glass-like plates or prisms

Hexamethylene Tetramine

BOILING POINT: Sublimes	SPECIFIC GRAVITY: 1.33	
VAPOR PRESSURE: NA	SOLUBILITY IN WATER: Soluble	APPEARANCE/ODOR: Odorless white crystals

Formaldehyde 37%

BOILING POINT: 96C	SPECIFIC GRAVITY: 1.08	
VAPOR PRESSURE: 67-88 mmHg @ 20C	SOLUBILITY IN WATER: Miscible	APPEARANCE/ODOR: Colorless liquid with pungent odor

Section IV - Fire and Explosion Hazard Data

FLASH POINT (Method used): NA	AUTO IGNITION TEMPERATURE: ND	FLAMMABLE LIMITS	LEL NA	UEL NA
EXTINGUISHING MEDIA: NA				
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire exposed containers cool.				
UNUSUAL FIRE AND EXPLOSION HAZARDS: None reported				

Section V - Reactivity Data

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: Extreme temperatures, light, oxidizers
INCOMPATIBILITY (Materials to avoid): Acetic Acid, Acetic Anhydride, Ammonium Nitrate, Acids (strong), Alkalies (strong), Ammonia, Aniline and Perchloric Acid, Bisulfides, Iodine, Nitric Acid, metal Nitrates, Oxidizers, Phenol, Sodium peroxide.			
HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of formaldehyde, Ammonia, carbon monoxide, nitrogen oxides.			
HAZARDOUS POLYMERIZATION:	May Occur <input checked="" type="checkbox"/>	Will Not Occur <input type="checkbox"/>	Conditions to Avoid: Active organics such as phenol

Section VI - Health Hazard Data

ROUTES OF ENTRY	Inhalation? Yes	Skin? Yes	Ingestion? Yes
HEALTH HAZARDS (Acute and Chronic): Acute: Irritation of mucous membranes dizziness, numbness, nausea, systemic poisoning convulsions, pulmonary edema, liver and kidney damage. Chronic: Respiratory allergies, highly toxic convulsant neurotoxin, respiratory impairment, kidney injury, reproductive effects, respiratory cancer.			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: Formaldehyde, Hydrazine sulfate			
SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of mucous membranes, drowsiness, nausea			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Chronic respiratory disease			
EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment. Observation and support if necessary. EYE CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. SKIN CONTACT: Flush skin with plenty of water. INGESTION: If conscious, give large amounts of water and induce vomiting. INHALATION: Remove to fresh air. If not breathing, give artificial respiration.			

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dilute with water, pour down drain with excess water.
WASTE DISPOSAL METHOD: Dispose of in accordance with all federal, state, and local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed. Store in cool, dark place.
OTHER PRECAUTIONS*

Section VIII - Control Measures

RESPIRATORY PROTECTION (Please specify): Do not breath mist or vapor	
VENTILATION: Adequate ventilation	
PROTECTIVE GLOVES: Latex gloves	EYE PROTECTION: Safety glasses or goggles
OTHER PROTECTIVE EQUIPMENT:	
EMERGENCY WASH FACILITIES: Maintain eye wash and quick drench showers in work area.	

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.