

APG**Analytical Products Group, Inc.**2730 Washington Blvd., Belpre, OH 45714
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Section I: Product Identification

CATALOG NUMBER: 4760 and 4762	PRODUCT NAME: Color
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Section II - Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Hydrochloric Acid	7647-01-0	Not applicable	5 -15%

Non-Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Water	7732-18-5	C 7 mg/m ³	85-95%

* Components are calculated on a weight/weight basis.

Section III - Physical/Chemical Characteristics of Hazardous Ingredients

BOILING POINT: Approximately 100°C	SPECIFIC GRAVITY: Approximately 1.0	
VAPOR PRESSURE: Not available	SOLUBILITY IN WATER: Complete	APPEARANCE/ODOR: Transparent liquid with acrid odor

Section IV - Fire and Explosion Hazard Data

FLASH POINT (Method used): Not applicable	AUTO IGNITION TEMPERATURE: Not applicable	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA: Not applicable				
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: Toxic fumes may be produced under fire conditions.				

Section V - Reactivity Data

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: Stable under normal storage and use.
INCOMPATIBILITY (Materials to avoid): Not applicable			
HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable			
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:

Section VI - Health Hazard Data

ROUTES OF ENTRY	Inhalation? YES	Skin? YES	Ingestion? YES
HEALTH HAZARDS (Acute and Chronic): ACUTE: Swallowing will lead to a caustic effect in the mouth throat and danger of perforation of the esophagus. May produce caustic effect on the skin mucous membranes and the eyes. CHRONIC: Prolonged or repeated skin contact may cause dermatitis. Repeated exposure may cause erosion of the teeth. May cause conjunctivitis and photosensitization.			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: Not applicable			
SIGNS AND SYMPTOMS OF EXPOSURE: None listed.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None listed.			
EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment, observation and support if necessary. GENERAL: Remove contaminated clothing, wash thoroughly before reuse. EYE CONTACT: Flush with water for at least 15 minutes, seek medical attention. Do not allow victim to rub or keep eyes closed. SKIN CONTACT: Rinse area with large amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and obtain medical assistance. INGESTION: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical attention immediately.			

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use proper personal protective equipment, protective eyeglasses or chemical safety goggles, protective gloves, and protective clothing to prevent skin exposure.
WASTE DISPOSAL METHOD: Dispose in a manner consistent with I Federal, State and local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get on skin or in eyes. Do not ingest or inhale Store away from heat or flame. Do not store in direct sunlight. Store in a cool, dry, well ventilated area.
OTHER PRECAUTIONS*

Section VIII - Control Measures

RESPIRATORY PROTECTION (Please specify): Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.	
VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.	
PROTECTIVE GLOVES: Butyl, neoprene, or latex rubber 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.