

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

CATALOG NUMBER: 2200,4200,4202, 4203, 9080, 9580	PRODUCT NAME: Base Neutral Extractables
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Section II - Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Acetone	67-64-1	750ppm	>99%
A table of the compounds possible in this Base/Neutral standard is attached. Data included in the table are formulas, CAS numbers, oral Id50 values for rats and PEL/TWA values if available. Total concentration of the Base/neutral extractable compound in the standard is less than .1 %.			

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

BOILING POINT: 56 C (132 F) @ 760mm Hg	SPECIFIC GRAVITY: 0.79 (water=1)
VAPOR PRESSURE: 181 (20 C)	SOLUBILITY IN WATER: Complete
APPEARANCE/ODOR: Clear, colorless liquid, sweet odor (acetone).	

Section IV - Fire and Explosion Hazard Data

FLASH POINT (Method used): -18 C (-2 F)	AUTO IGNITION TEMPERATURE: 464 C (869 F)	FLAMMABLE LIMITS	LEL 2.5%	UEL 13%
EXTINGUISHING MEDIA: Use alcohol foam, dry chemical or carbon dioxide (water may be ineffective). Use extinguisher media appropriate for surrounding fire.				
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: Vapors may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.				

Section V - Reactivity Data

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: Heat, flames. Other sources of ignition.
INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents, strong bases, halogen acids and halogen compounds, caustics, amines and ammonia, chlorine and chlorine compounds, strong acids, esp. sulfuric, nitric.			
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, toxic fumes of chlorine.			
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid: NA

Section VI - Health Hazard Data

ROUTES OF ENTRY	Inhalation? YES	Skin? YES	Ingestion? YES
HEALTH HAZARDS (Acute and Chronic): ACUTE: Irritation of the nose and throat. CHRONIC: Kidney damage, liver damage.			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: Total of Base/Neutrals compounds are less than 1%. Some are on the IARC list.			
SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of skin, eyes, nose and throat. Headache, dizziness, vomiting, nausea, central nervous system depression, low blood pressure and respiratory failure. Prolonged contact may cause dermatitis.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders, eye disorders, and chronic respiratory disease			
EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment, observation and support if necessary. EYE CONTACT: Flush with water, seek medical attention. SKIN CONTACT: Wash with soap and water, use protective creams. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical assistance. INGESTION: Obtain medical assistance if swallowed. If conscious, give large amounts of water and induce vomiting.			

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Diluted standard can be absorbed with sand or other non-combustibles absorbent material and placed into a container for later disposal. Sample solutions should be absorbed with charcoal or other organic absorbent and incinerated. Flush area with water.
WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed. Store in a cool, dry, ventilated, flammable liquid storage area. Isolate from incompatible materials..
OTHER PRECAUTIONS* Do not heat or evaporate analytical standards to dryness.

Section VIII - Control Measures

RESPIRATORY PROTECTION (Please specify): Respiratory protection is required if airborne concentrations exceed PEL (750 ppm). At concentrations up to 5000 ppm a chemical cartridge respirator with organic vapor cartridge is recommended. Above this level, a self-contained breathing apparatus is recommended. (20,000 ppm is immediately dangerous to life or health).	
VENTILATION: Local exhaust	
PROTECTIVE GLOVES: Butyl, neoprene, or latex rubber gloves are recommended.	EYE PROTECTION: Safety glasses or goggles.
OTHER PROTECTIVE EQUIPMENT: NA	
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.

Hazardous components of the Base Neutrals Standard

CHEMICAL	CAS #	% by WEIGHT	LD50
Bis-(2-Chloroisopropyl)Ether	108-60-1	<0.1%	Not Available
Bis-(2-Chloroethyl)Ether	111-44-4	<0.1%	75 mg/kg
4-Chlorophenylphenyl Ether	7005-72-3	<0.1%	Not Available
p-Bromophenyl Phenyl Ether	101-55-3	<0.1%	Not Available
Bis (2-Chloroethoxy)Methane	111-91-1	<0.1%	Not Available
N-Nitrosodimethylamine	62-75-9	<0.1%	Not Available
N-Nitrosodiphenylamine	86-30-6	<0.1%	Not Available
N-Nitrosodipropylamine	621-64-7	<0.1%	Not Available
Diocetyl Phthalate	117-81-7	<0.1%	3100 mg/kg
Benzyl Butyl Phthalate	85-68-7	<0.1%	Not Available
Dibutyl Phthalate	84-74-2	<0.1%	12000 mg/kg
Di-N-Octyl Phthalate	117-84-0	<0.1%	Not Available
Diethyl Phthalate	84-66-2	<0.1%	8600 mg/kg
Dimethyl Phthalate	131-11-3	<0.1%	6900 mg/kg
Azobenzene, 99%	103-33-3	<0.1%	Not Available
1,2,4-Trichlorobenzene	120-82-1	<0.1%	Not Available
Hexachlorobenzene	118-74-1	<0.1%	Not Available
Hexachloroethane	67-72-1	<0.1%	6000 mg/kg
2-Chloronaphthalene	91-58-7	<0.1%	Not Available
1,2-Dichlorobenzene	95-50-1	<0.1%	500 mg/kg
1,3-Dichlorobenzene	541-73-1	<0.1%	Not Available
1,4-Dichlorobenzene	106-46-7	<0.1%	500 mg/kg
2,4-Dinitrotoluene	121-14-2	<0.1%	268 mg/kg
2,6-Dinitrotoluene	606-20-2	<0.1%	177 mg/kg
1,1,2,3,4,4-Hexachloro- 1,3-Butadiene	87-68-3	<0.1%	90 mg/kg
Hexachlorocyclopentadiene	77-47-4	<0.1%	113 mg/kg
Isophorone	78-59-1	<0.1%	2330 mg/kg
Nitrobenzene	98-95-3	<0.1%	640 mg/kg
Anthracene	120-12-7	<0.1%	Not Available
Fluoranthene	206-44-0	<0.1%	Not Available
Naphthalene	91-20-3	<0.1%	1780 mg/kg
Acenaphthene	83-32-9	<0.1%	Not Available
Benzo (A) Anthracene	56-55-3	<0.1%	Not Available
Benzo (A) Pyrene	50-32-8	<0.1%	Not Available
Benzo (B) Fluoranthene	205-99-2	<0.1%	Not Available
Benzo (K) Fluoranthene	207-08-9	<0.1%	Not Available
Chrysene	218-01-9	<0.1%	Not Available
Acenaphthylene	208-96-8	<0.1%	Not Available
Pyrene	129-00-0	<0.1%	Not Available
Benzo (GHI) Perylene	191-24-2	<0.1%	Not Available
Fluorene	86-73-7	<0.1%	Not Available
Phenanthrene	85-01-8	<0.1%	Not Available
Dibenzo (A,H) Anthracene	53-70-3	<0.1%	Not Available
Ideno (1,2,3-CD) Pyrene	193-39-5	<0.1%	Not Available