

**MATERIAL SAFETY DATA SHEET**

National Purity, LLC., 6840 Shingle Creek Pkwy Ste. 23, Brooklyn Center, MN 55430

For hazard or emergency information call: 1-800-255-3924

**SECTION I PRODUCT IDENTIFICATION -**

Product Name: Aquaphase AQ-240 Cleaner P678 DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (contains Potassium hydroxide, Sodium orthosilicate), 8, UN3266, PG II  
Formula Type: Blended highly alkaline liquid

**SECTION II HAZARD RATING - 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE**

**Health: 3** **Reactivity: 1** **Fire: 0** **Special: B**

**SECTION III HAZARDOUS INGREDIENTS -**

Name	C.A.S. No.	%	Exposure Limit
Potassium hydroxide	1310-58-3	< 20	TWA 2 mg/m <sup>3</sup> (ceiling)
Sodium orthosilicate	1344-09-8	< 12	Not available

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater, components which are otherwise hazardous according to OSHA are listed when present at 1% or greater. Non hazardous components are not listed. This is not a composition disclosure.

**SECTION IV PHYSICAL DATA**

Appearance/Odor:	clear amberliquid/mild odor	Solubility in Water:	complete	Evaporation Rate (butyl acetate=1):	<1
Specific Gravity:	1.344	pH:	14 ± .2	Vapor Pressure (mm HG):	NA
% Evaporation by Volume:	< 70	Boiling Point (F°):	aprx 212	Vapor Density (air=1):	NA

**SECTION V FIRE AND EXPLOSION INFORMATION -**

Flashpoint (F°) (Method Used): None  
Extinguishing media: xx foam xx CO<sub>2</sub> xx dry chemical xx water fog        other        not applicable  
Special fire fighting procedures: Use procedures proper for the primary source of the fire. Treat as an alkaline material.  
Unusual fire and explosion hazard: Containers may melt or rupture from the heat of a fire.

**SECTION VI HEALTH HAZARD DATA - Primary routes of entry: eyes, skin, ingestion, inhalation**

Signs and symptoms -  
Eye Contact: Can cause severe burns or permanent damage to eyes. May cause blindness if not properly treated.  
Skin Contact: Can cause severe burns or permanent damage to skin.  
Inhalation: Spray mist or fog may cause irritation to the respiratory tract. High concentrations may cause headache, nausea, or coughing.  
Ingestion: Harmful if swallowed. May cause corrosive damage to mouth, throat or stomach.  
Medical conditions generally aggravated by exposure: Pre-existing skin and lung diseases.

**FIRST AID PROCEDURES -**

Eye Contact: Immediately flush with cool running water for 15 minutes, while holding eyelids apart. Contact a physician immediately.  
Skin Contact: Immediately wash with cool water. Remove contaminated clothing. Contact physician if irritation develops.  
Inhalation: Move to fresh air. Monitor breathing and treat symptomatically. Call a physician.  
Ingestion: DO NOT INDUCE VOMITING. Give one or two glasses of water or milk. Contact a physician or poison control center immediately. Never give anything to drink to an unconscious person.

**SECTION VII REACTIVITY DATA -**

Stability: Stable  
Incompatibility (materials to avoid): Oxidizers, acids, aluminum.  
Hazardous decomposition products: Possibly CO<sub>2</sub> or hydrogen.  
Hazardous polymerization: Will not occur

**SECTION VIII SPILL LEAK PROCEDURES -**

Steps to be taken in case material is released or spilled: wear protective equipment. Small spill: mop up and rinse area. Large spills: Dike spill. Absorb with inert material. Containerize. Rinse area with water. Keep out of storm sewers and waterways.  
Waste disposal information: Properly neutralized liquid (pH 6 to 9) may be permitted to be disposed at a suitable facility in accordance with all federal, state and local regulations.

**SECTION IX SPECIAL PROTECTION INFORMATION -**

Respiratory Protection: If mist is not controlled by local ventilation, use NIOSH respirators for organic vapors.  
Ventilation: Central room or local exhaust.  
Protective gloves: Rubber, pvc, nitrile  
Eye Protection: Splash proof glasses or goggles.  
Other protective measures: Rubber boots if there is a spill.

**SECTION X SPECIAL PRECAUTIONS -**

Handling and Storage: Keep container closed when not in use. Do not breathe mists or vapors. Keep out of reach of children. Mix only with water. For industrial & institutional use only. Wash contaminated clothing before reuse.

**SECTION XI TOXICITY DATA -**

This product does not contain ingredients considered to be carcinogenic by the NTP, IARC, or OSHA.

**SECTION XII REGULATORY INFORMATION -**

DOT regulated as a Class 8 Corrosive: Corrosive liquid, basic, inorganic, n.o.s.(contains Potassium hydroxide, Sodium orthosilicate), 8, UN3266, PG II

**SECTION XIII DOCUMENTARY INFORMATION -**

Date issued: 9/27/2007 Supercedes: 3/30/99 Reason for update: Routine review.  
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.