

MATERIAL SAFETY DATA SHEET - National Purity, LLC, 6840 Shingle Creek Parkway, Suite #23, Brooklyn Center, MN 55430
For hazard or emergency information call: 1-800-255-3924

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SECTION I PRODUCT IDENTIFICATION -

Product Name: AQ-725 Delimiting Solution DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (contains Phosphoric acid), 8, UN3264, PG III

Formula Type: Liquid phosphoric acid based cleaner

SECTION II HAZARDOUS INGREDIENTS -

Name	C.A.S. No.	%	Exposure Limit
Phosphoric Acid	7664-38-2	< 40	Airborne 1 mg/m ³ PEL, 1 mg/m ³ TLV, 1 mg/m ³ STEL
Hydroxyacetic Acid	79-14-1	< 2	Not established

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 1.0% or greater. Non hazardous components are not listed. This is not a composition disclosure.

SECTION III PHYSICAL DATA

Appearance/Odor:	Clear colorless liquid/none	Solubility in Water: complete	Evaporation Rate (butyl acetate=1):	NA
Specific Gravity:	> 1	pH: (1% solution) 1.7	Vapor Pressure (mm HG):	NA
% Evaporation by Volume:	> 60%	Boiling Point (F°): greater than 212	Vapor Density (air=1):	NA

SECTION IV FIRE AND EXPLOSION INFORMATION -

Flashpoint (F°) (Method Used): non-combustible
Extinguishing media: foam CO₂ dry chemical water fog other not applicable
Special fire fighting procedures: Product can react with metals to release flammable hydrogen. Water spray may be effective in absorbing gas.
Unusual fire and explosion hazard: Containers in vicinity of fire should be cooled to prevent overheating and decomposition of contained product with release of toxic phosphorus oxide fumes.

SECTION V HEALTH HAZARD DATA - Primary Routes of Entry: Eyes, skin, ingestion, and inhalation.

Signs and symptoms -
Eye Contact: Severe acid burns.
Skin Contact: Severe acid burns.
Inhalation: Mist can cause damage to nasal and respiratory passages.
Ingestion: Severe internal irritation and damage.
Medical conditions generally aggravated by exposure: pre-existing skin and respiratory disorders. Chronic effects of exposure: May result in areas of destruction of skin tissue or primary irritant dermatitis. Similarly, inhalation of vapors or mists may cause varying degrees of damage to the affected tissues and also increasing susceptibility to respiratory illness.

FIRST AID PROCEDURES -

Eye Contact: Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue the flushing for an additional 15 minutes if the physician is not immediately available.
Skin Contact: Immediately flush all affected areas with large amounts of water for at least 15 minutes. Remove all contaminated clothing and shoes while under a safety shower wiping away excess material from the skin. Do not attempt to neutralize with chemical agents. Obtain medical advice immediately. Discard contaminated clothing and shoes.
Inhalation: Remove from contaminated atmosphere. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag-mask respirator or a manually triggered oxygen supply capable of delivering on liter/second or more. If the victim is breathing, oxygen may be delivered from a demand-type or continuous-flow inhalator, preferably with a physician's advice.
Ingestion: DO NOT INDUCE VOMITING. Immediately give large quantities of water. If vomiting does occur, give fluids again. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or the nearest Poison Control Center immediately.

SECTION VI REACTIVITY DATA -

Stability: Stable
Incompatibility (materials to avoid): Reactive metals (mild steel, and aluminum). Alkaline materials react vigorously (lime, soda ash, caustic soda)
Hazardous decomposition products: At flame temperatures, will emit toxic phosphorus oxide fumes.
Hazardous polymerization: Will not occur

SECTION VII SPILL OR LEAK PROCEDURES -

Steps to be taken in case material is released or spilled: Small spills can be handled routinely. If mists or vapors are generated, use adequate ventilation and wear a respirator to prevent inhalation. Wear suitable protective clothing and eye protection to prevent skin and eye contact. Use the following procedures: Contain spills to prevent discharge to the environment. Neutralize cautiously with a base such as soda ash and discard per RCRA regulations. Phosphoric Acid is a Hazardous Substance with a reportable quantity of 5000 lbs. If 5000 lbs. or more are spilled or discharged to the environment, it must be reported to the National Response Center.
Waste disposal information: Because of its corrosive characteristic, unneutralized product, when discarded, is a HAZARDOUS WASTE as defined in 40 CFR 261.22 (RCRA regulations), and disposal procedures are controlled by RCRA rules.

SECTION VIII SPECIAL PROTECTION INFORMATION -

Respiratory Protection: If use conditions generate mist or vapor, wear NIOSH approved full face respirator with a HEPA filter.
Ventilation: Mechanical
Protective gloves: Impervious gloves (neoprene or nitrile)
Eye Protection: Chemical goggles or splash glasses.
Other protective measures: Impervious footwear if there is exposure potential. Water source that can be used for first aid eye and skin wash.

SECTION IX **SPECIAL PRECAUTIONS -**

Handling and Storage:

Keep container closed when not in use. For industrial and institutional use only. Keep out of reach of children. Mix only with water. Wash contaminated clothing before reuse. Thoroughly rinse and offer empty container for recycling, reconditioning, or disposal in an approved landfill or dispose of it in a manner will not adversely affect the environment.

SECTION X **TOXICITY DATA -**

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

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

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

SECTION XII **REGULATORY INFORMATION -**

Phosphoric Acid is subject to the reporting requirements of Section 313 of Title III SARA.

DOT = Corrosive liquid, acidic, inorganic, n.o.s. (contains Phosphoric acid), 8, UN3264, PG III

SECTION XIII **DOCUMENTARY INFORMATION -**

Date issued: 9/20/2007 Supercedes: Previous issues Reason for update: Routine review and adopt new format.

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.