



# MATERIAL SAFETY DATA SHEET

Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

**PENBLITZ™ 422H**

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MSDS No.: 1440-707A

## SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: PENBLITZ 422H

GENERAL USE: Cleaner, degreaser

PRODUCT DESCRIPTION: Liquid alkaline cleaner

GENERIC INGREDIENTS: Water, surfactants, coupling agents, builders, chelates, corrosion inhibitor, dye

**EMERGENCY TELEPHONE NUMBERS: PENETONE 201-567-3000**

**CHEMTREC 800-424-9300**

## SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARD: CORROSIVE

### OSHA HAZARDOUS INGREDIENTS

	CAS#	EXPOSURE LIMITS 8 hrs. TWA (mg/m <sup>3</sup> )		Supplier
		OSHA PEL	ACGIH TLV	
Potassium hydroxide	1310-58-3	2	2	---

## SECTION 3 HEALTH INFORMATION & PROTECTION

### EMERGENCY OVERVIEW:

**Clear purple liquid, virtually odorless.**

**Can be corrosive to skin and eyes.**

### POTENTIAL HEALTH EFFECTS:

#### EYE CONTACT:

Corrosive to the eyes.

#### SKIN CONTACT:

Short term contact will be irritating to the skin. Long term contact may be corrosive to the skin.

#### INHALATION:

Inhalation of spray mist may cause irritation or burns to the respiratory tract.

#### INGESTION:

Ingestion will cause burns to the mouth, esophagus, and stomach.

**FIRST AID MEASURES:**

**EYE CONTACT:**

Flush eyes with large amounts of water. See physician immediately.

**SKIN CONTACT:**

Flush skin with large amounts of water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

**INHALATION:**

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

**INGESTION:**

If swallowed, give plenty of water or milk. DO NOT INDUCE VOMITING. Call a physician immediately.

**WORKPLACE EXPOSURE CONTROLS:**

**PERSONAL PROTECTION:**

Splash proof goggles are recommended for all workplace conditions. Rubber gloves should be used. When spraying this product, rubber boots, aprons, gauntlets, or rain gear should be worn.

**VENTILATION:**

None needed under normal use conditions. If the product is being sprayed, dust mask or particle respirator is recommended.

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**SECTION 4 FIRE & EXPLOSION HAZARDS**

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**FLASH POINT:** None to boiling point (TCC, COC)

**FLAMMABLE LIMITS:** Not applicable

**AUTOIGNITION TEMPERATURE:** Not determined

**GENERAL HAZARD:**

This is a water based product and presents no unusual hazards in a fire.

**FIRE FIGHTING:**

Cool containers with water.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes, and oxides of carbon, nitrogen, phosphorus, and sulfur.

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**SECTION 5 SPILL CONTROL MEASURES**

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**LAND SPILL:**

For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Rinse area with water. Put all material into appropriate waste containers.

**WATER SPILL:**

Product is water based and water dilutable. Surfactants used in this product are biodegradable. Localized high concentration of product may cause fish kills, but no persistent or long term effects will result. Potassium hydroxide and sodium nitrite are listed in the Clean Water Act. Check with local environmental regulatory agencies for reporting requirements.

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**SECTION 6 HANDLING & STORAGE**

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**STORAGE TEMPERATURE, °F:** ambient. DO NOT STORE ABOVE 120° F. KEEP FROM FREEZING.

**GENERAL:** Do not store near strong acids.

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**SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

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**BOILING POINT, °F:**

about 212

**EVAPORATION RATE, Acetone = 1:**

equal to water

**SOLUBILITY IN WATER:**

soluble

**SPECIFIC GRAVITY at 75°F:**

1.08

**ODOR AND APPEARANCE:**

clear purple liquid, virtually odorless

**VAPOR PRESSURE, mm Hg at 20°C:**

equal to water

**VAPOR DENSITY (Air = 1):**

equal to water

**WT% ORGANIC VOLATILES %:**

5

**pH:**

greater than 13

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**SECTION 8 REACTIVITY DATA**

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**GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Strong acids.

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**SECTION 9 REGULATORY INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT):****PROPER SHIPPING NAME:**

CORROSIVE LIQUID BASIC, INORGANIC, N.O.S.  
(contains potassium hydroxide)

**HAZARD CLASS:** 8

**IDENTIFICATION NUMBER:** UN 3266

**PACKING GROUP:** III

**LABEL:** CORROSIVE

**FLASH POINT:** none-to-boil

**pH:** greater than 13

**TSCA:** The ingredients in this product are listed on the TSCA inventory.

**CERCLA:**

This product contains the following reportable CERCLA materials

Potassium hydroxide	CAS# 1310-58-3	RQ = 1000 lbs
Sodium nitrite	CAS# 7632-00-0	RQ = 100 lbs

Releases exceeding the RQ must be reported to the National Response Center, 800-424-8802, and may be subject to state and local reporting.

**RCRA HAZARD CLASS:**

D002 Corrosive hazardous waste

**SARA TITLE III:**

**311/312 HAZARD CATEGORIES:**

Acute health

**313 REPORTABLE INGREDIENTS:**

Diethylene glycol monobutyl ether CAS# 112-34-5 <10 wt%

**CLEAN WATER ACT**

Potassium hydroxide and sodium nitrite are listed in the Clean Water Act as hazardous substances.

**NEW JERSEY RIGHT-TO-KNOW INFORMATION:**

This product contains water (CAS# 7732-18-5), nonylphenol ethoxylate (CAS# 9016-45-9), diethylene glycol monobutyl ether (CAS# 112-34-5), tripotassium phosphate (CAS# 7778-53-2), sodium xylene sulfonate (CAS# 1300-72-7), potassium hydroxide (CAS# 1310-58-3), and sodium nitrite (CAS# 7632-00-0).

**CALIFORNIA PROPOSITION 65 INFORMATION:**

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

**SCAQMD INFORMATION:**

Is there a photochemically reactive material present? No  
What is the % by volume of photochemically reactive material? 0  
What is the VOC content? 54 g/l  
What is the vapor pressure of VOC's? less than 0.05 mm Hg

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**SECTION 10 NOTES**

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**HAZARD RATING SYSTEMS:**

	HMIS	NFPA	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	0	0	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

**REVISION SUMMARY:**

Change in Section 9

**SUPERSEDES ISSUE DATE:**

February 10, 2004

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER  
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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