MATERIAL SAFETY DATA SHEET

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

PENBLITZ® 445L

Date Prepared: February 10, 2004
MSDS No.: 1836-402G

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: PENBLITZ 445L
GENERAL USE: Cleaning and degreasing in spray wash applications
PRODUCT DESCRIPTION: Liquid alkaline cleaner
GENERIC INGREDIENTS: Water, builders, chelates, anionic and nonionic detergents, and corrosion inhibitor

EMERGENCY TELEPHONE NUMBERS: PENETONE 201-567-3000
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is nonhazardous as defined in 29 CFR1910.1200.

OSHA HAZARDOUS INGREDIENTS

		EXPOSURE LIMITS 8 hrs. TWA (mg/m^3)		
	CAS#	OSHA PEL	ACGIH TLV	Supplier
None				

SECTION 3 HEALTH INFORMATION & PROTECTION

EMERGENCY OVERVIEW:

Clear, water white liquid with mild odor.
Can be irritating to skin and eyes.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:
Irritating to the eyes on contact only.

SKIN CONTACT:
Frequent or prolonged contact may irritate or dry the skin and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION:
Inhalation of spray mist may cause irritation to the respiratory tract.

INGESTION:
Ingestion may cause irritation to the digestive tract and diarrhea.

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. Call a physician immediately.

WORKPLACE EXPOSURE CONTROLS:

PERSONAL PROTECTION:
Safety glasses are recommended for all workplace conditions. Rubber gloves are recommended. Other protective gear, including splash proof goggles or face shield, rubber boots, apron, gauntlets, or rain gear should be worn depending on how the product is used.

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

SECTION 4 FIRE & EXPLOSION HAZARDS

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 and nitrogen when taken to dryness.

SECTION 5 SPILL CONTROL MEASURES

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. Sodium nitrite is listed in the Clean Water Act. Check with local environmental regulatory agencies for reporting requirements.

SECTION 6 HANDLING & STORAGE

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

GENERAL: Do not store near strong acids.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT, °F:
about 212

EVAPORATION RATE, Acetone = 1:
equal to water

SOLUBILITY IN WATER:
soluble

SPECIFIC GRAVITY at 75°F:
1.14

ODOR AND APPEARANCE:
clear water white liquid with mild odor

VAPOR PRESSURE, mm Hg at 20°C:
equal to water

VAPOR DENSITY (Air = 1):
equal to water

WT% ORGANIC VOLATILES:
0

pH:
12.5

SECTION 8 REACTIVITY DATA

GENERAL:
This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:
Strong acids.

SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

PROPER SHIPPING NAME:
NONHAZARDOUS (nonregulated) MATERIAL

HAZARD CLASS: none

IDENTIFICATION NUMBER: none **PACKING GROUP:** none

LABEL: not required

FLASH POINT: None-to-boil **pH:** 12.5

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

CERCLA:
This product contains the following CERCLA reportable material.
Sodium nitrite CAS# 7632-00-0 RQ = 100 lb
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:
Nonhazardous waste

SARA TITLE III:

311/312 HAZARD CATEGORIES:

Acute health

313 REPORTABLE INGREDIENTS:

None

CLEAN WATER ACT:

Sodium nitrite is listed under in the Clean Water Act as a hazardous material.

NEW JERSEY RIGHT-TO-KNOW INFORMATION:

This product contains water (CAS# 7732-18-5), sodium xylene sulfonate (CAS# 1300-72-7), alkoxylated linear alcohol (CAS# 68551-13-3), tetrasodium ethylenediamine tetraacetate (CAS# 64-02-8), sodium carbonate (CAS# 497-19-8), 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? 0
What is the vapor pressure of VOC's? 0

SECTION 10 NOTES

HAZARD RATING SYSTEMS:

	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

REVISION SUMMARY:

Change in header

SUPERSEDES ISSUE DATE:

August 26, 2002

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

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