



PL (Paint Loc)™ 998

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 Date Prepared: March 15, 2015
 MSDS No.: 5950

SECTION 1: IDENTIFICATION

Product name: PL (Paint Loc) 998

Recommended use: Cleaner, degreaser, metal brightener

Physical Description: Clear water white liquid with mild acidic odor

Generic Ingredients: Water, phosphoric acid, glycol ether, and surfactant

Manufacturer:

Penetone Corporation
 700 Gotham Parkway
 Carlstadt, NJ 07072
 800-631-1652 or 201-567-3000

Business Contact:

Customer Service
 800-631-1652 x2602 or 2272
 Product Safety
 800-631-1652 x2211 or 2257

Emergency Phone Numbers: PENETONE 201-567-3000 CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<p>Health: Skin corrosion: 1B Eye damage: 1</p>	<p>Acute toxicity - oral: 4 Physical: Corrosive to metals: 1</p>
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DANGER!

Causes Severe Skin Burns and Eye Damage.
 Harmful If Swallowed.
 May Be Corrosive to Metals.



Precautionary Statements:	
<p><u>Prevention:</u> Do not breathe mists if inhalable mists occur during use. Wear protective gloves, clothing, eye protection, and face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep only in original container.</p> <p><u>Response:</u> <i>If swallowed:</i> Rinse mouth. Do NOT induce vomiting. <i>If on skin or hair:</i> Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.</p>	<p><i>If in eyes:</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>If inhaled:</i> Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911. Get medical advice/attention if you feel unwell. Absorb spillage to prevent material damage.</p> <p><u>Storage:</u> Stored locked up. Store in corrosive resistant container, plastic (HDPE) is recommended, or container with a resistant inner liner.</p>

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Phosphoric acid	7664-38-2	30-50
Water	7732-18-5	30-50
Diethylene glycol monobutyl ether	112-34-5	1-10
Ethoxylated nonylphenol	127087-87-0	1-10

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(i)



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SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures

Most likely work-place exposure routes will be *skin contact* or *inhalation*.

For *skin contact*, typically no immediate effects will be observed. A tingling or burning sensation might be felt some time after exposure. Slight reddening or minor irritation could also develop if product is not quickly washed off. If product not washed off or left in contact with skin for some time, skin burn could result.

Inhalation exposure may produce varied effects, particularly if exposure occurs above the recommended workplace exposure limits (see SECTION 8). Typical symptoms could include coughing, sneezing, and a tingling or burning sensation in the nose, throat, and lungs.

Eyes

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a local Poison Control Center, doctor, physician or other competent medical authority for medical advice. Penetone recommends that after any eye exposure a physician be seen immediately.

Ingestion

If swallowed: Rinse mouth. **DO NOT INDUCE VOMITING.** Immediately call a poison center, doctor, physician or other competent medical authority for medical advice.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a local Poison Control Center, physician, or other competent medical authority for medical advice.

Skin

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. A mild soap may be used to wash skin. Wash contaminated clothing before reuse. Immediately call a local Poison Control Center, doctor, physician or other competent medical authority for medical advice.

Special Treatment / Other

None

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Classification: Non-flammable

Flash Point: None-to-boiling point (TCC, COC)

Autoignition Temperature: not determined

Lower Flammable Limit: Not determined **Upper Flammable Limit:** Not determined

Specific Hazards

Product is water based and presents no unusual fire hazards. Product may react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

Extinguishing Media

Use extinguishing agents appropriate for controlling surrounding fire.

Unsuitable: None.

Protection & Precautions for Firefighters

Protective Equipment & Clothing: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

Fire Fighting Guidance: Cool containers with flooding quantities of water until well after fire is out. Move



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containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

Hazardous Combustion Products: Smoke, fumes, and oxides of carbon and phosphorus when taken to dryness.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Absorb spillage to prevent material damage. Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal. Neutralize residue with dilute base and follow with a liberal covering of sodium bicarbonate or other acceptable drying agent.

Water Spill

This is a water based product and will completely mix/dissolve in water making recovery difficult. This product is acidic and will lower the pH of surface waters. Check with local environmental regulatory agencies for reporting requirements.

See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.

SECTION 7: HANDLING & STORAGE

Handling

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container.

Storage

Store locked up. Store in corrosive resistant container. Plastic is recommended. If storing in a metal container, it must be NON-ALUMINUM with a resistant inner liner (NOTE: flammable hydrogen gas may be generated if aluminum container and/or aluminum fittings are used). If secondary containers are used, plastic is recommended. Keep container tightly closed when not in use. Do not store near strong bases. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Additional Remarks



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Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

Occupational Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
Phosphoric acid	ACGIH	1 mg/m ³	TWA	
		3 ppm	STEL	
	NIOSH	1 mg/m ³	TWA	
		3 ppm	STEL	
	OSHA Z1	1 mg/m ³	PEL	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: clear water white liquid
Odor: mild acidic
Odor Threshold: not determined
pH: <1
Melting Point / Freezing: about 25°F
Boiling Point / Boiling Point Range: about 212°F
Flash Point: not applicable
Evaporation Rate: equal to water
Flammability: not applicable
Lower Flammable Limit: not determined
Upper Flammable Limit: not determined
Explosive Properties: not applicable
Vapor Pressure: equal to water
Relative Vapor Density: equal to water
Relative Density: 1.28
Solubility (Water): soluble in water
Partition Coefficient (K_{ow}): not determined
Auto-ignition temperature: not determined
Decomposition temperature: not determined
Viscosity: 10-30 centipoise at room temperature

SECTION 10: STABILITY & REACTIVITY

Reactivity
Product will react with bases, giving off heat and potentially splattering.

Chemical Stability
Stable.

Hazardous Reactions
Mixing with bases will give off heat and may cause splattering. Will react with some metals forming flammable hydrogen gas (see below). Powdered form of these metals will greatly increase reactivity.

Conditions to Avoid
Do not store near strong bases.

Incompatible Materials



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Strong acids. Soft metals such as aluminum, brass, bronze, copper, lead, tin, zinc or other acid sensitive metals or alloys.

Hazardous Decomposition Products

Oxides of carbon and phosphorus when taken to dryness.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

This product contains phosphoric acid which is corrosive to all tissues. Contact with skin and/or eyes, ingestion, or inhalation of spray mist may be corrosive. Possible effects include severe irritation, burns, and permanent damage to exposed tissues if immediate action is not taken.

Acute Toxicity:

Dermal: LD50 > 2,000 mg/kg rabbit (estimated using additivity formula)

Inhalation: No data available

Oral: LD50 = 1,900 mg/kg rat (estimated using additivity formula)

Skin Corrosion/Irritation

Corrosive. Causes skin burns. Prolonged or repeat skin exposures can result in dermatitis.

Serious Eye Damage/Irritation

Corrosive. Causes serious eye damage which can result in severe irritation, pain and burns, and permanent damage including blindness.

Sensitization - Respiratory or Skin

Based upon components, product is not expected to be a respiratory or skin sensitizer.

Germ Cell Mutagenicity

Based upon components, product is not expected to result in germ cell mutagenicity.

Carcinogenicity

No material in this product is listed by IARC, NTP, or OSHA as a carcinogen.

Reproductive Toxicity

Insufficient data for the components to evaluate. Given the product's tissue corrosiveness, other more pronounced effects would be seen making evaluation of reproductive toxicity difficult.

The nonionic surfactant used in this product have produced effects in the fetus only at levels that were toxic to the parent animals.

Specific Target Organ Effects - Single Exposure

No data.

Specific Target Organ Effects - Repeated or Prolonged Exposure

No data.

Aspiration Hazard

Based upon available data, product not considered an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Product Summary

This material is acidic and will lower the pH of surface waters. Product should be considered mildly toxic to aquatic organisms.



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Ecotoxicity

Freshwater Fish: LC50 10-1,00 mg/l (estimated using additivity formula)
 Other aquatic organisms insufficient data to use additivity formula.

Persistence and Degradability

Phosphoric acid will dissociate into its ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize it. The organic materials in this product are all readily biodegradable.

Bioaccumulative Potential

Bioaccumulation potential of the materials used in this product are low.

SECTION 13: DISPOSAL CONSIDERATIONS

Product is a D002 Corrosive Hazardous Waste under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

Note: Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

SECTION 14: TRANSPORT INFORMATION

ID No.: UN1805
Proper Shipping Name: PHOSPHORIC ACID, solution
Hazard Class: 8
Packing Group: II
Label: CORROSIVE
Marine Pollutant: No
RQ: 10,000 lbs (about 870 gallons) of product for phosphoric acid
Special Precautions: none

SECTION 15: REGULATORY INFORMATION

TSCA

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

RCRA HAZARD CLASS

D002 - Corrosive hazardous waste

SARA 311/312 REPORTABLE HAZARD CATEGORIES: Immediate (Acute) Health

REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ (1)	Section 313	CAA 112(r) TQ	CWA / OPA
Phosphoric acid	7884-38-2			5,000	313		
Product RQ for component				11,000 1,000 gal			
Diethylene glycol butyl ether	N230			(2)	313		



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	(1) Releases exceeding the RQ just be reported to the National Response Center, 800-424-8802 and may be subject to state and local reporting. (2) CERCLA hazardous substance with no assigned RQ
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NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains phosphoric acid (CAS# 7664-38-2), water (CAS# 7732-18-5), diethylene glycol monobutyl ether (CAS# 112-34-5), and ethoxylated nonylphenol (CAS# 127087-87-0).

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? About 110 g/l
 What is the vapor pressure of VOC's? less than 1 mm Hg at 20°C

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

New GHS format

SUPERSEDES ISSUE DATE

July 2, 2007

HAZARD RATING SYSTEMS:

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	3	3
FLAMMABILITY	0	0
REACTIVITY	0	0
	B	

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

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

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