



SAFETY DATA SHEET

Penetone® Corporation, 125 Kingsland Ave., Clifton, NJ 07014

POWER CLEANER®

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Date Prepared: September 23, 2019
SDS No.: 1848

SECTION 1: IDENTIFICATION

Product name: POWER CLEANER

Recommended use: Cleaner, degreaser

Physical Description: Clear water white liquid with mild odor

Generic Ingredients: Water, inorganic builders, surfactants, glycol ether, and alkanolamine

Manufacturer:

Penetone Corporation
125 Kingsland Ave.
Clifton, NJ 07014
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:

Health: Skin corrosion: 1C Eye damage: 1	Carcinogenicity: 2 Physical: not classified
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DANGER!

Causes Severe Skin Burns and Eye Damage.
Suspected of Causing Cancer.



Precautionary Statements:	
<p>Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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.</p> <p>Response: <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. <i>If in eyes:</i> Rinse cautiously with water for several</p>	<p>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. If exposed or concerned: Get medical advice/attention.</p> <p>Storage: Store locked up.</p> <p>Disposal: Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).</p>

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Water	7732-18-5	65-85
Sodium xylene sulfonate	1300-72-7	<10
Tripotassium phosphate	7758-53-2	<10
Tetrapotassium pyrophosphate	7320-34-5	<10
Diethylene glycol monobutyl ether	112-34-5	<10
Diethanolamine	111-42-2	<10



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Mixed surfactant system

proprietary

<1

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

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-boil

Autoignition Temperature: not determined

Lower Flammable Limit: Not applicable **Upper Flammable Limit:** Not applicable

Specific Hazards

Product is water based and presents no unusual fire hazards.

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



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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 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, nitrogen, phosphorus and sulfur when taken to dryness.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Adsorb 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 acid 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 alkaline and may raise the pH of surface waters with low buffering capacity. 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. Keep container tightly closed when not in use. Do not store near strong acids. 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.



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Additional Remarks

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>
Diethanolamine	ACGIH NIOSH	1 mg/m ³ (IFV) 3 ppm	TWA	skin; A3
Diethylene glycol butyl ether	ACGIH	10 ppm (IFV)	TWA	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: clear water white liquid

Odor: mild

Odor Threshold: not determined

pH: >12.5

Melting Point / Freezing: about 32°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 applicable

Upper Flammable Limit: not applicable

Explosive Properties: not applicable

Vapor Pressure: equal to water

Relative Vapor Density: equal to water

Relative Density: 1.17

Solubility (Water): soluble in water

Partition Coefficient (K_{ow}): not determined

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity: less than 5 centipoise at room temperature

SECTION 10: STABILITY & REACTIVITY

Reactivity

Product will react with acids, giving off heat and possible splattering.

Chemical Stability

Stable.

Hazardous Reactions

Mixing with acids will give off heat and may cause splattering. Hazardous polymerization will not occur.

Conditions to Avoid

Alkaline liquid. Do not store near strong acids.

Incompatible Materials

Strong acids.



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Hazardous Decomposition Products

Oxides of carbon, nitrogen, phosphorus and sulfur when taken to dryness and burned.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

This product contains highly alkaline materials. Product pH is greater than 13. Contact with skin and/or eyes, ingestion, or inhalation of spray mist may be corrosive. Possible effects may include severe irritation, burns, and permanent damage to exposed tissues if immediate action is not taken.

Acute Toxicity:

Dermal: LD50 > 5,000 g/kg rabbit (estimated using additivity formula)

Inhalation: No data available

Oral: LD50 > 5,000 mg/kg rat (estimated using additivity formula)

Skin Corrosion/Irritation

Short term exposure may be irritating. Longer term exposure may cause severe irritation or possibly burns. Prolonged or repeat skin exposures can result in dermatitis.

Serious Eye Damage/Irritation

Short term exposure may be irritating. Longer term exposure can cause 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

Diethanolamine is listed by IARC as Group 2B: possibly carcinogenic to humans and by ACGIH as Group 3A: confirmed animal carcinogen with unknown relevance to humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes of exposure.

Diethanolamine in the presence of nitrites can form suspected cancer causing nitrosamines.

Reproductive / Developmental Toxicity

No data for the product. Insufficient data for the components to evaluate.

Specific Target Organ Effects - Single Exposure

No data for the product.

Specific Target Organ Effects - Repeated or Prolonged Exposure

No data for the product.

Inorganic phosphates have been extensively studied because of their use as food additives. Very high oral doses (1% in the diet) have produced toxic effects on the kidneys and parathyroid glands.

Diethylene glycol butyl ether has had effects on the kidney, liver, and blood of lab animals at high feeding levels over extended periods of time.

Aspiration Hazard

Based upon components, product not expected to be an aspiration hazard.



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SECTION 12: ECOLOGICAL INFORMATION

Product Summary

This material is alkaline and may raise the pH of surface waters with low buffering capacity. Product considered nontoxic to aquatic organisms.

Ecotoxicity

LC50/EC50 > 1,000 mg/l (estimated using additivity formula)

Persistence and Degradability

The inorganic components will dissociate into their ionic forms in the aquatic environment. Natural carbon dioxide will slowly neutralize them. The surfactant in this product are readily biodegradable.

Bioaccumulative Potential

No data available. Because of the ready biodegradability of the surfactant, bioaccumulation potential considered low.

Mobility in soil

No data available. Inorganic materials will stay in water.

Other Adverse Effects

None known.

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.: UN 3266
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, (contains tripotassium phosphate)
Hazard Class: 8
Packing Group: III
Label: CORROSIVE
Marine Pollutant: not applicable
RQ: 3,600 lbs (about 350 gallons) of product for diethanolamine
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



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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
Diethanolamine	111-42-2			100	313		
Product RQ for component				3,600 350 gal			
Diethylene glycol butyl ether	N230			(2)	313		
(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							

NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains water (CAS# 7732-18-5), sodium xylene sulfonate (CAS# 1300-72-7), tripotassium phosphate (CAS# 7778-53-2), tetrapotassium pyrophosphate (CAS# 7320-34-5), diethylene glycol monobutyl ether (CAS# 112-34-5), and diethanolamine (CAS# 111-42-2).

CALIFORNIA PROPOSITION 65 INFORMATION

This product contains a chemical recognized by the state of California to cause cancer: diethanolamine (CAS# 111-42-2)

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? 75 g/l
 What is the vapor pressure of VOC's? Less than 0.1 mm Hg @ 20°C. Record keeping requirements for applications listed under Rule 1171 may not apply.

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

Changes in Section 1

SUPERSEDES ISSUE DATE

July 27, 2016

HAZARD RATING SYSTEMS:

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	2	2
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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