



**POWER CLEANER® 310L**

Page: 1 of 7  
Date Prepared: September 24, 2019  
SDS No.: 1871

**SECTION 1: IDENTIFICATION**

**Product name:** POWER CLEANER310L

**Recommended use:** Cleaner, degreaser

**Physical Description:** Clear pale yellow liquid with mild odor

**Generic Ingredients:** Water, inorganic builders, surfactants, and chelate

**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:**

<p><b>Health:</b> Skin corrosion: 1C Eye damage: 1</p>	<p><b>Physical:</b> not classified</p>
--	--

**DANGER!**

Causes Severe Skin Burns and Eye Damage.



<p><b>Precautionary Statements:</b></p>	
<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.</p> <p><u>Response:</u> <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 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	<p><i>If swallowed:</i> Rinse mouth. Do NOT induce vomiting. <i>If inhaled:</i> Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911.</p> <p><u>Storage:</u> Store locked up.</p> <p><u>Disposal:</u> 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**

<b>Chemical Name</b>	<b>CAS#</b>	<b>Concentration Wt% (1)</b>
Water	7732-18-5	75-90
Sodium xylene sulfonate	1300-72-7	1-10
Alkoxylated linear alcohol	68551-13-3	1-10
Tetrasodium ethylenediamine tetraacetate	64-02-8	1-10
Sodium carbonate	497-19-8	1-10
Sodium metasilicate	6834-92-0	1-10
Potassium silicate	1312-76-1	1-10



---

**POWER CLEANER® 310L**

Page: 2 of 7  
Date Prepared: September 24, 2019  
SDS No.: 1871

---

(1) Exact percentages 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 firefighters protective clothing will only provide limited protection.



---

**POWER CLEANER® 310L**

Page: 3 of 7  
Date Prepared: September 24, 2019  
SDS No.: 1871

---

**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, and sulfur 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 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.

**Additional Remarks**

Selection of appropriate personal protective equipment should be based on an evaluation of the performance



## SAFETY DATA SHEET

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

### POWER CLEANER® 310L

Page: 4 of 7

Date Prepared: September 24, 2019

SDS No.: 1871

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>
Sodium metasilicate (1)	ACGIH	2 mg/m <sup>3</sup>	Ceiling	
	NIOSH	2 mg/m <sup>3</sup>	Ceiling	
	OSHA	2 mg/m <sup>3</sup>	TWA	

(1) No OEL has been established for sodium metasilicate. Because of product pH, value given is for sodium hydroxide

### SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** clear pale yellow liquid

**Odor:** mild

**Odor Threshold:** not determined

**pH:** about 12

**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 applicable

**Upper Flammable Limit:** not applicable

**Explosive Properties:** not applicable

**Vapor Pressure:** equal to water

**Relative Vapor Density:** equal to water

**Relative Density:** 1.14

**Solubility (Water):** soluble in water

**Partition Coefficient (K<sub>ow</sub>):** 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 bases.

#### Incompatible Materials

Strong acids.



---

**POWER CLEANER® 310L**

Page: 5 of 7  
Date Prepared: September 24, 2019  
SDS No.: 1871

---

**Hazardous Decomposition Products**

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

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**Product Summary**

This product contains highly alkaline materials. The product should be considered 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 > 8,000 g/kg rabbit (estimated using additivity formula)

**Inhalation:** No data available

**Oral:** LD50 > 8,000 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**

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

**Reproductive Toxicity**

No data for the product. 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 unlikely.

**Specific Target Organ Effects - Single Exposure**

No data.

**Specific Target Organ Effects - Repeated or Prolonged Exposure**

No data available.

Frequent ingestion over extended periods of time of gram quantities of sodium silicate are associated with kidney stone formation and other siliceous urinary calculi in humans.

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.

**Aspiration Hazard**

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

---

**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.



**POWER CLEANER® 310L**

Page: 6 of 7  
Date Prepared: September 24, 2019  
SDS No.: 1871

**Ecotoxicity**  
LC50/EC50/IC50 100-500 ppm (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 surfactants in this product are all biodegradable to readily biodegradable. The chelate is inherently biodegradable.

**Bioaccumulative Potential**  
No data available. Because of the biodegradability of the surfactants, bioaccumulation potential considered low.

**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.:** UN3266  
**Proper Shipping Name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (contains sodium metasilicate)  
**Hazard Class:** 8  
**Packing Group:** III  
**Label:** CORROSIVE  
**Marine Pollutant:** no  
**RQ:** not applicable  
**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	Section 313	CAA 112(r) TQ	CWA / OPA
no components subject to reporting							

**NEW JERSEY RIGHT-TO-KNOW INFORMATION**  
This product contains water (CAS# 7732-18-5), sodium xylene sulfonate (CAS# 1300-72-7), alkoxylated linear



# SAFETY DATA SHEET

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

## POWER CLEANER® 310L

Page: 7 of 7

Date Prepared: September 24, 2019

SDS No.: 1871

alcohol (CAS# 68551-13-3), tetrasodium ethylene diamine tetraacetate (CAS# 64-02-8), sodium carbonate (CAS# 497-19-8), sodium metasilicate (CAS# 6834-92-0), and potassium silicate (CAS# 1312-76-1).

### 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 16: OTHER INFORMATION

### REVISION SUMMARY

Change in Section 1

### SUPERSEDES ISSUE DATE

October 12, 2015

### HAZARD RATING SYSTEMS:

	HMIS	NFPA
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

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND ACCURATE TO THE BEST OF PENETONE'S KNOWLEDGE. THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.