



POWER CLEANER® 310L

Page: 1 of 7
Date Prepared: March 15, 2015
MSDS 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
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: 1C Eye damage: 1</p>	<p>Physical: not classified</p>
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DANGER!

Causes Severe Skin Burns and Eye Damage.



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.</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

Chemical Name	CAS#	Concentration Wt% (1)
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
Tetrapotassium pyrophosphate	7320-34-5	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: March 15, 2015
MSDS 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: March 15, 2015
MSDS 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, phosphorus 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



POWER CLEANER® 310L

Page: 4 of 7
Date Prepared: March 15, 2015
MSDS 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 ³	Ceiling	
	NIOSH	2 mg/m ³	Ceiling	
	OSHA	2 mg/m ³	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_{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 bases.

Incompatible Materials
Strong acids.



POWER CLEANER® 310L

Page: 5 of 7
Date Prepared: March 15, 2015
MSDS No.: 1871

Hazardous Decomposition Products

Oxides of carbon, nitrogen, phosphorus 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: March 15, 2015
 MSDS 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), alkoxyated linear



POWER CLEANER® 310L

Page: 7 of 7
Date Prepared: March 15, 2015
MSDS 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

New GHS format

SUPERSEDES ISSUE DATE

Febraury 11, 2004

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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