

GENERAL USE



Power Cleaner 310L is a low foam aqueous cleaner designed for use in jet washers, hot tanks, and ultrasonic tank operations. **Power Cleaner 310L** is a concentrated formulation of special cleaning agents effective in removing many soils, including grease, cutting oils, and rust preventative oils. **Power Cleaner 310L** will actually brighten metal surfaces, returning them to like-new condition. **Power Cleaner 310L** is an effective aqueous replacement for the vapor degreasing process.

FEATURES AND BENEFITS

- Biodegradable
- No solvents
- Safe on most metals
- Low foaming
- No phosphates
- Free rinsing
- Complies with Boeing BAC 5763 specification
- Ozone friendly
- Eliminates fire hazards
- Will not corrode or damage parts
- Eliminates record keeping and reporting of VOCs

DIRECTIONS FOR USE

Use procedures

Soils require soaking with 3-5 minute agitation. Tarnish removal from many alloys requires 10% or higher dilution ratio.

Note

Soft metal alloys such as aluminum, brass, bronze and copper may require lower temperatures and/or shorter contact times. Always pretest a small sample for compatibility under intended use conditions. Begin testing using low temperatures and low concentrations. Raise both until soil removal is complete and alloy remains unaffected.

POWER CLEANER® 310L

JET WASHER / ULTRASONIC CLEANER

PHYSICAL PROPERTIES

Appearance	Pale yellow liquid
Odor	Mild
pH	About 12
Freezing Point	About 25°F
Boiling Point	About 212°F
Flash Point (TCC)	Not applicable
Relative Density	1.14
Auto-Ignition Temperature	Not applicable
Water Solubility	Complete
Viscosity	Less than 5 CP at room temperature

INCOMPATIBILITY

Strong acids.

WAREHOUSING PRECAUTIONS

Store locked up. Keep container tightly closed when not in use.
Do not store in direct sunlight.
Avoid storing above 120°F (49°C).

APPROVALS

ASTM F519 BAC 5763 Rev D. Type II Class 1&2 Grades A&B

ASTM F945 ASTM F1110 (Sandwich corrosion of aluminum)

ARP 1755 GE CT 882 (includes some of above)

Hill AFB Wheel/Tire

AVAILABLE SIZES

5 gallon Pail

55 gallon Drum

FIRST AID MEASURES

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.

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

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.

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.

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using **POWER CLEANER 310L**, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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