

### MILITARY / COMMERCIAL AVIATION



**Penetone 19** is a liquid cleaner specifically formulated to remove corrosive deposits and efficiency limiting build-up from turbine compressor blades. **Penetone 19** effectively removes atmospheric deposits, salts, light oils, hydraulic fluids and cooling oils that typically attach themselves to compressor blades.

**Penetone 19** will normally increase turbine efficiency by removing soils and deposits that accumulate on the compressor. Higher efficiency translates into reduced operating costs. Regular cleaning with **Penetone 19** will also decrease the risk of sulfidation attack.

**Penetone 19** is approved by leading gas turbine manufacturers.

### FEATURES AND BENEFITS

- High dilution rate
- High flash point
- Fast results
- Excellent cleaning
- Safe on all metals
- Economical
- Restores turbine efficiency
- Reduced operating costs

#### Use procedures

##### Automated Spray Ring Systems

**Penetone 19** is normally siphoned, mixed with water, and spray applied to the compressor while being motored at crank speed. Allow a three to five minute dwell. Rinse thoroughly until water appears clean.

##### Manual System

**Mix Penetone 19** and water at a 9:1 ratio. Spray apply through inlet while turning motor at crank speed. Thoroughly wet all surfaces. Allow three to five minutes dwell. Rinse.

# PENETONE® 19

## GAS TURBINE COMPRESSOR CLEANER

### PHYSICAL PROPERTIES

Appearance	Clear amber liquid
Odor	Mild solvent
pH	About 10
Freezing Point	About 30°F
Boiling Point	About 212°F
Flash Point (TCC)	155°F PMCC
Relative Density	0.99
Auto-Ignition Temperature	Not determined
Water Solubility	Emulsifies
Viscosity	10 to 50 CP at room temperature

### INCOMPATIBILITY

Strong oxidizing agents.

### WAREHOUSING PRECAUTIONS

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Do not store near heat, sparks, open flame, or other ignition sources. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

### 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. If eye irritation persists or develops: Get medical advice or attention. Penetone recommends that after any eye exposure a physician be seen immediately.

**If swallowed:** Immediately call a poison center, doctor, physician or other competent medical authority. Rinse mouth. Product presents an aspiration hazard. DO NOT INDUCE VOMITING.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

**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. If skin irritation or rash occurs: Get medical advice or attention.

### PERSONAL PROTECTION Security equipment



WHMIS



**IMPORTANT:** Before using **PENETONE 19**, 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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