



# PENMUL™ R490

## Heavy Duty Metal Cleaner/Carbon Remover

### FEATURES/BENEFITS

#### Features

- High flash point (190°F)
- Brightens copper and brass
- Effective at room temperature
- Safe on all metals
- Removes carbon

#### Benefits

- Safer than flammable solvent cleaners
- Saves energy
- Versatile
- Fast cleaning

*Penmul R490* is available in 6 gallon pails, 55 gallon drums, totes and bulk deliveries.

### Description

*Penmul R490* is a mixture of heavy duty solvents, emulsifiers, penetrating agents, and carbon removers used to degrease metal parts.

Typical uses would be to degrease engine blocks, railroad airbrakes, gears, transmission assemblies, and similar metal parts where carbonaceous deposits, heavy greases, varnishes or oxidized soils are present.

### Typical Use Directions (also see product label)

**Normal Cleaning:** Apply undiluted, or dilute with up to 50 parts water, depending on soil conditions. Let stand 5 to 10 minutes, additional brushing or agitation during standing aids in loosening stubborn grime. Rinse with water using hose with pressure nozzle where possible.

**Immersion or Soak Tank Cleaning:** Dilute *Penmul R490* with up to 10 parts water, depending on soil conditions. *Penmul R490* solutions may be used at room temperature or heated to 140°F or 60°C. Immerse dirty parts and soak until clean. Mechanical agitation or bubbling compressed air through the soak solution will aid in cleaning. Rinsing with water easily washes away emulsified oils and greases.

**IMPORTANT:** Before using *PENMUL R490*, always be sure to read and follow precautions and directions for use appearing on the product container label and MSDS. (Sep06)