



PRODUCT BULLETIN

PDN-50

BE #7310

PRIMARY APPLICATION

PDN-50 is a multi-metal safe, low temperature, heavy duty powered detergent typically used to clean industrial equipment parts, engine parts and screw machine parts. Its low foaming action is designed to remove heavy & light oils, greases, light carbon deposits and other contaminants.

FEATURES & BENEFITS

- Biodegradable
- Multi-metal safe
- Free-rinsing
- Low foaming
- Heavy-duty
- Superior rust protection
- No turpines
- Non-flammable
- Forces oils to surface for easy skimming
- Safer for employees and the environment
- Non-hazardous
- No VOC or HAP
- No CFC's
- Non-corrosive
- Prevents Flash Rust



TYPICAL SOILS

- Heavy oils
- Light oils
- Greases
- Waxes
- Model release
- Light carbon deposits
- Medium carbon deposits
- Lapping compound
- Road Dirt
- Shop Dirt

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off white granular powder
 Odor: Mild lemon odor
 Specific Gravity (H₂O=1): N/A
 Weight/gallon:
 Flash Point: None
 Boiling Point: N/A
 Evaporation Rate: N/A

pH (as is): 11.3
 % VOC: 0
 % HAP: 0
 Vapor Pressure (mmHg): N/A
 Vapor Density (air=1): N/A
 Water Solubility: Complete
 Melting Point: ND

RECOMMENDED USAGE

Application Procedure: Spray or Immersion
 Temperature: 120 - 190°F
 Concentration: Light oils.....1 pound per 10 gallons
 Heavy oils and grease.....1.5 pounds per 10 gallons
 Heavy greases & burnt on solids.....2 pounds per 10 gallons

pH: 10.0 - 12.0
 Time: 3 - 10 minutes

Concentration and temperature may be adjusted to achieve maximum cleaning performance.

COMPATIBILITY

PDN-50 is multi-metal safe for use on metals including aluminum, brass, bronze, copper, iron, steel and composites in addition to most precious metals, plastics and rubbers.

Do not mix with amines or amine-containing substances.

NOTES FOR USE

- Stainless steel, mild steel and polypropylene equipment can be used.
- Follow with a thorough rinse to remove all cleaner residue; thorough rinse required on aluminum, brass and copper.
- Better Engineering RPN-225 rust inhibitor may be added for extended rust protection.
- Prevent spotting on polished surfaces by final rinsing with deionized (DI) or reverse osmosis (RO) water.
- Dry parts with hot or circulating air.

STORAGE AND HANDLING

The Material Safety Data Sheet should be read and understood by all personnel in contact with the product. It is a non-flammable, non-corrosive powder. Packaged in polyethylene containers with a suggested shelf life of one year. Store out of direct sunlight at 40-100°F. Keep container closed when not in use.

AVAILABILITY

PDN-50 is available in 5-gallon and 55-gallon containers.