



PRODUCT BULLETIN

LDA-445

BE #7312

PRIMARY APPLICATION

LDA-445 is a multi-metal safe, free rinsing amine liquid detergent typically used to clean newly machined parts, screw machine parts, printed circuit boards and finished products. Its low foaming action is designed to remove light oils, chips, light flux and other contaminants.

FEATURES & BENEFITS

- Biodegradable
- Multi-metal safe
- Free-rinsing
- Low foaming
- 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
- No SARA 313's
- Non-corrosive
- Prevents Flash Rust
- No Nitrites



TYPICAL SOILS

- Light oils
- Chips
- Light Flux
- Finger Prints
- Shop Dirt

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber liquid

Odor: Mild odor

Specific Gravity (H₂O=1): 1.03

Weight/gallon:

Flash Point: None

Boiling Point: 210°F

Evaporation Rate: ND

pH (as is): 8.5

% VOC: 0

% HAP: 0

Vapor Pressure (mmHg): ND

Vapor Density (air=1): ND

Water Solubility: Complete

Melting Point: ND

RECOMMENDED USAGE

Application Procedure: Spray or Immersion

Temperature: 130 - 160°F

Concentration: 2-5% by volume

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

Note: When used in equipment fabricated from mild steel, RPA-445 rust inhibitor should be used in conjunction with LDA-445 to ensure sufficient protection against corrosion.

COMPATIBILITY

LDA-445 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 nitrite-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.
- Better Engineering RPA-445 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 liquid. 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

LDA-445 is available in 5-gallon and 55-gallon containers.