



# PRODUCT BULLETIN

# HDL-125

## BE #77500

### PRIMARY APPLICATION

HDL-125 is a multi-metal safe, free-rinsing, heavy duty liquid 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
- No SARA 313's
- Non-corrosive
- Prevents Flash Rust



### TYPICAL SOILS

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

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slightly hazy, colorless liquid

Odor: Mild odor

Specific Gravity (H<sub>2</sub>O=1): 1.01

Weight/gallon:

Flash Point: None

Boiling Point: 210°F

Evaporation Rate: ND

pH (as is): 11.8

% VOC: 0

% HAP: 0

Vapor Pressure (mmHg): ND

Vapor Density (air=1): ND

Water Solubility: Complete

Melting Point: N/A

### RECOMMENDED USAGE

Application Procedure: Spray or Immersion

Temperature: 125 - 180°F

Concentration: 2-5% by volume

pH: 10.0 - 12.0

Time: 3 - 10 minutes

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

## **COMPATIBILITY**

HDL-125 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.

## **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 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**

HDL-125 is available in 5-gallon and 55-gallon containers.