

# PROTEC CDF 961

## Premium Liquid Ultra Sonic Cleaner

### Biodegradable Concentrate

#### Description

**Protec CDF 961** is a premium liquid concentrate designed specifically for ultra-sonic cleaning applications. It is formulated to provide corrosion protection for both ferrous and non-ferrous materials and provides a spotless surface on stainless steel and titanium parts.

**Protec CDF 961** can be used from ambient to 140 degrees F to speed up cleaning and drying. In most cases, coolants and light oils are removed at 120 degrees F.

#### Applications

Application Type	Concentration
Light Soils	5 - 10%
Medium Soils	7 - 15%
Heavy Soils	15-25%
Consult with your U.S. Lubricants Specialist for application specific recommendations	

#### Physical & Chemical Properties

Part Number	4961
Appearance	Amber Liquid
pH - Undiluted	11.0
pH - 10% Solution	10-10.5
Odor	Mild
Flash Point	>200 F
Corrosion Protection	Short Term
Density	8.30 lb/gal

#### Features/Benefits

- ✓ **Special Wetting Agents**  
Improves soil penetration resulting in effective cleaning
- ✓ **Water Conditioning Additive**  
More effective cleaning and rinsing of parts
- ✓ **Biodegradable**  
More environmentally friendly
- ✓ **Contains No Caustic Soda**  
More user friendly
- ✓ **Chemical Splitter**  
Oil separates from the cleaner for effective removal and extension of bath life



**Test Criteria**

**Equipment Needed:** pH Paper/meter, Refractometer Brix

**Method**

1. Charge washer/ensure washer is at proper operating levels
2. Ensure the chemistry is properly circulated.
3. Using refractometer, check concentration and reference Brix scale below for concentration.
  - a. If concentration is low, add applicable amount of concentrate.
4. Using pH paper, check pH of solution
  - a. When pH drops significantly from baseline, chemistry is near the end of its useful life.

Note: pH will vary from standard below with differing water qualities and types. A baseline on the mixed chemistry should be referenced on a fresh charge.

CONCENTRATION, % BV	Ph	REFRACTION
5	9.5	1
6	9.6	1.1
7	9.7	1.2
8	9.8	1.3
9	9.9	1.4
10	10	1.5
15	10.5	2.25
20	11	3
25	11	4