

# Chem-Crest<sup>®</sup> 55

## Phosphoric acid-based ultrasonic Liquid detergent concentrate



### Description

Chem-Crest 55 is phosphoric acid based cleaner. The product is designed for removing oils, greases, lubricants and oxides. It is capable of producing hydrophilic surfaces upon rinsing with water. It is used typically for the brightening of soft metals as well as the removal of greases, oxides, and particulates, but finds uses in many different applications.

### Typical Contaminants Removed

Chem-Crest 55 is effective at removal of light oxides from the surface of soft metal and stainless steel parts, as well as oils, tinctures, greases, and lubricants. Chem-Crest 55 will brighten dull appearances and leave no residue upon proper rinsing. It is recommended that an ultrasonic rinse follow applications using Chem-Crest 55.

### Physical Data

**Flash Point:** None

**Specific Gravity:** 1.15 +/- 0.07

**pH:** 1 % solution = 2.2 +/- 0.5

**Solubility in Water:** Complete

**Volatiles:** N/A

\*\*These are typical values and do not constitute specifications.

### Storage Conditions and Disposal Methods

Avoid freezing conditions. Dispose in accordance with Federal, State, and Local regulations and procedures. Chem-Crest 55 contains Phosphoric Acid (CAS# 7664-38-2), and is subject to regulation under SARA Title III, Section 313.

### Safety Precautions

See Safety Data Sheet

### Operating Conditions

Chem-Crest 55 is used at typical dilution of 4 – 10 % by volume. Concentration may vary based on the type of the organic film. Typical operating temperature is in the range of 50°C - 65°C. Chem-Crest 55 is easy to rinse and leaves no residues when ultrasonically rinse with deionized water. In certain cases, a rust inhibitor, such as the Chem-Crest 77 series rinse injection line, will be necessary after use of Chem-Crest 55.

### Substrate Compatibility

Chem Crest 55 is compatible with 300 series stainless steel, titanium and various plastic components. It is not recommended for use with precious metals and should be tested before use on aluminum or copper-containing materials, high-carbon steels, and other materials.

### Availability

Chem-Crest 55 is available in cases of (4) x 1-gallon plastic bottles, 5-gallon pails, and in 55-gallon containers. It is also available in bulk containers.

For further information on this product, please contact the Chemical Sales Office at:

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Crest Ultrasonics maintains sales offices in the United States, Malaysia, Singapore, Japan, Germany, the United Kingdom, India, and France.

Our chemicals are blended at our Philadelphia, PA office, Custom Blends, Inc. – A Division of Crest Ultrasonics.

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