**Chem-Crest® 99**  
*Citric acid ultrasonic liquid detergent concentrate*

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**Description**

Chem-Crest 99 is a liquid cleaning concentrate designed to remove oils, scales, discoloration, and particulates. This material was specially developed for the cleaning of carbide for the tooling industry, but finds uses in other areas such as the cleaning of soft metals after manufacture, and as part of routine cleaning operations.

**Substrate Compatibility**

Chem-Crest 99 is compatible with brass, bronze, carbides, copper, stainless steel, zinc and aluminum. It is safe on glass, ceramics and plastics. Ferrous surfaces may be protected immediately after treatment with Chem-Crest 99 with an appropriate rust inhibitor.

**Physical Data**

- **Flash Point:** None  
- **Specific Gravity:** 1.05  
- **pH:** 5% solution = 2.5- +/- 0.5  
- **Solubility in Water:** Complete  
- **Volatile:** N/A

**Storage Conditions and Disposal Methods**

Avoid freezing conditions. Dispose in accordance with Federal, State, and Local regulations and procedures. No products contained in this concentrate are regulated under SARA Title III, Section 313.

**Safety Precautions**

See Safety Data Sheet

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**Operating Conditions**

Recommended dilution is 5-10% by volume and 10-15% by volume for heavy descaling at temperatures of 150°-180°F. Normal operating temperatures: 130°-160°F. Contact your Crest representative for product-line specific recommendations. Recommended rinsing water temperature: 100 - 150°F.

**Typical Contaminants Removed**

Chem-Crest 99 removes oils, light scales and oxides, particulates, common contaminants from the carbide manufacturing process, and general contaminants from the surfaces of parts.

**Availability**

Chem-Crest 99 is available in cases of (4) x 1-gallon plastic bottles, 5-gallon pails, and in 55-gallon containers.

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

**Crest Ultrasonics Corporation**  
18 Graphics Drive | Ewing, NJ 08628 | USA  
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Sjoyce@crest-ultrasonics.com  
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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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