

# Chematic 405



## Description

This new formulation was developed specifically to clean residues that contain titanium dioxide. Its effectiveness at removing TiO<sub>2</sub> coatings reduces the need for manual cleaning and equipment disassembly. Chematic 405 works extremely effectively with mild agitation and at a wide range of temperatures. Its mild pH and low foaming characteristics make it the perfect solution for agitated immersion, CIP applications, and COP immersions, while remaining safe to be used with manual applications. This versatility allows customers to use Chematic 405 in a variety of cleaning application combinations normally found in coating and tableting processes

## Physical Properties

<b>Physical Form:</b>	Liquid
<b>Appearance:</b>	Transparent, dark amber
<b>pH Use Solution: (1%-5% v/v):</b>	(1%-5% v/v): 4.5-5.5
<b>Specific Gravity at 68 °F:</b>	1.045
<b>Foaming:</b>	Low foaming

**Substrate compatibility:** Product is safe on stainless steel, glass and most plastics and polymers. Product should be thoroughly rinsed off surfaces.

**Precautionary Statement:** Please refer to the current Material Safety Data Sheet.

## Applications and Usage:

**CIP, COP & Spray Applications:**  
Concentrations from 1%-10% v/v  
Temperatures: 35 °C-80 °C

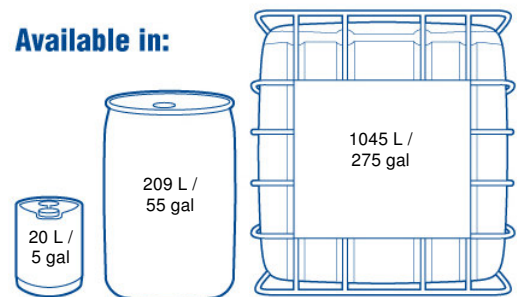
**Manual Application:**  
Concentrations from 0.5%-5% v/v  
Temperatures: 20 °C-50 °C

## Cleaning Validation Support:

HPLC, TOC, IMS and other methods are provided by Dober. Validation consulting support ranging from complete project management to sampling and swabbing methodologies and assistance is available from our validation consulting group.



## Available in:



Compliant

- Regulation (EC) No. 648/2004
- Commission Directive 2001/58/EC

**DOBER**  
RESEARCH WORKS

### Dober Innovation & Technology Center

11230 Katherine's Crossing  
Woodridge, IL 60517  
Toll free 1-800-323-4983  
Local 1-630-410-7300  
www.dobergroup.com