



# Global Specialty Products

USA, Inc

---

## **OPTIMA<sup>TM</sup> - 200 AQUEOUS CLEANER**

An Industrial Ink/Adhesive Remover and Multipurpose Degreaser  
Heavy Duty - Environmentally Safe - Biodegradable

### **EXTENDED BATH LIFE - EASY TO HANDLE & DISPOSE OF:**

Extremely effective in removing a variety of soils from ferrous and non ferrous metals,  
polycarbonate plastics and glass substrates  
Mild pH - Simple treatment effluent

### **SOILS REMOVED:**

Grinding, Finishing & Polishing Compounds	Crater & Lithium Grease
Water/Solvent Based Inks	Finger Prints & Particles
Automotive, Mineral Vegetable & Polybutane Oils	Sulfur Based Cutting Fluids
Cosmolines, Lipstick & Cycloparaffins	Lapping & Drawing Compounds
Acrylic Latex Polymers	Adhesives and Un-Cured Resins

### **EASY TO USE - NO RESIDUES FOLLOWING RINSE:**

Use full strength or dilute down with water 10 - 50% by volume, easy to rinse.  
Suitable for use in spray under immersion, ultrasonic agitation or tumblers.

### **ENVIRONMENTALLY FRIENDLY - NON FLAMMABLE - BIODEGRADABLE:**

**NO** Mineral Spirits, Phenols, Acetone, MEK, Xylene, Toluene or Methylene Chloride  
**No** VOC's, SARA Title 313 or HAPPS Reporting  
Minimum safety, handling & storage is required

### **WORKER FRIENDLY:**

Non-carcinogenic, non-mutagenic, non-teratogenic

### **LONG TERM RUST PROTECTION - WIDE MATERIAL COMPATIBILITY:**

Compatible and non corrosive on various metals, plastics, glass and ceramics

## TYPICAL PROPERTIES

<b>Appearance</b>	Clear Yellow Liquid	<b>Flash Point (°F)</b>	>200
<b>Odor</b>	Mild	<b>Surface Tension</b> (dynes/cm)	24
<b>pH</b> (10% solution in water @ 68 °F)	10.5 - 10.7	<b>Ideal Operating Temp (°F)</b>	110 - 160
<b>pH</b> (Full Strength)	10.8 - 11.0	<b>Ideal Operating Concentration</b>	10 - 50%
<b>Specific Gravity</b> (@ 68 °F)	1.07 - 1.08	<b>Weight/Gal.</b> (lbs. /gal.)	9.0

### CLEANING PROCESS:

**OPTIMA™ - 200 AQUEOUS CLEANER** is supplied as a liquid concentrate. Use this product diluted down with water 10 - 50% concentration by volume, at an operating temperature range of 110°F - 160°F. Hand wipe, spray under immersion or ultrasonic agitation is used to enhance the cleaning action. For dry inks, oil, grease, polymers or adhesives, soak the parts until residues are removed. Parts can be wiped with a damp rag or rinsed off with warm water. Use filtered hot air to dry out the parts. **To obtain long-term rust protection on metal components, use SOLO - RI™ Rust Inhibitor** at 0.5 - 2% concentration at 80 - 110 °F during the rinse stage.

### SUBSTRATE METALS:

**OPTIMA™ - 200 AQUEOUS CLEANER** is formulated specifically for cleaning stainless steel, carbon steel and aluminum alloys. However, it is also suitable for cleaning all other ferrous and non-ferrous metals.

**NOTE: FOR MAGNESIUM, TIN, BRASS AND COPPER ALLOYS  
DO NOT EXCEED OPERATING TEMPERATURE OF 135 °F.**

### DISPOSAL:

Solutions containing hazardous or non hazardous soils should be handled and treated according to Federal, State and Local Environmental Laws. Even though **OPTIMA™ - 200 AQUEOUS CLEANER** is biodegradable, the spent material should not be disposed of in any sewerage system. The used material should be characterized and discharged according to Federal, State and Local Regulations.

### PACKAGING/STORAGE:

PACKAGED IN HDPE UN Rated 5 gallon pails, 55 gallon drums, and 275 gallon totes. The product should be kept in its original container above freezing and less than 100 °F. Store drums in a dry area.

### HMIS RATING:

**Health** 1                      **Fire** 0                      **Reactivity** 0