



# Global Specialty Products

USA, Inc

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## **OPTIMA™ - 200 Ink Remover**

(Patent Pending)

### **ZERO VOC - AQUEOUS BASED LIQUID INK REMOVER FOR FLEXOGRAPHIC INKS**

#### **APPLICATION:**

**OPTIMA™ - 200 INK REMOVER** is a heavy duty, non-hazardous, biodegradable, environmentally sensible, mild pH, aqueous based cleaner. Designed specifically to replace mineral spirits, acetone, MEK, Xylene, toluene and other aromatic & aliphatic hydrocarbon naphtha. It removes cured and uncured inks, adhesives, lacquers, and varnishes from flexographic press equipment such as doctor blades, filters, lockup holders, fittings, connectors, ink pans, transfer pails, drums and anilox rollers. The unique chemistry of **OPTIMA™ - 200** makes it ideal for use in ultrasonic, agitated batch washer or low pressure (less than 12 lbs. of pressure) spray washer applications, for high pressure applications, use **OPTIMA™ - 100GP**. The emulsifying formula can be used effectively with a 25 -100 micron filter, to allow extended product life.

#### **PRODUCT ATTRIBUTES:**

- ◆ **MILD PH, USER FRIENDLY & BIODEGRADABLE**
- ◆ **EFFECTIVE, SUPERIOR CLEANING RESULTS**
- ◆ **COST EFFECTIVE**
- ◆ **NON-FLAMMABLE, NON-COMBUSTIBLE, ENVIRONMENTALLY FRIENDLY**
- ◆ **NO BUTYL CELLOSOLVE, CAUSTIC SODA OR CYCLIC AMINES**
- ◆ **NO AROMATICS, ALIPHATICS OR KETONES**
- ◆ **SUITABLE FOR USE IN SPRAY OR ULTRASONIC CLEANING EQUIPMENT**
- ◆ **EASY TO HANDLE & DISPOSE OF - SIMPLE TREATMENT EFFLUENT**

**OPTIMA™ - 200 Ink Remover**  
**Typical Properties**

<i>Appearance</i>	<i>Clear Yellow Liquid</i>	<i>Flash Point ( °F)</i>	<i>&gt;200</i>
<i>Odor</i>	<i>Mild</i>	<i>Surface Tension (dynes/cm )</i>	<i>24</i>
<i>pH (10% solution)</i>	<i>10.5 - 10.7</i>	<i>Ideal Operating Temp. ( °F)</i>	<i>160</i>
<i>pH (Full Strength)</i>	<i>10.8 - 11.0</i>	<i>Ideal Operating Conc.</i>	<i>10 - 100%</i>
<i>Specific Gravity [25 °C]</i>	<i>1.07 - 1.08</i>	<i>Bulk Density (Lbs./Gal.)</i>	<i>9.0</i>

**CLEANING PROCESS:**

**OPTIMA™ - 200** is supplied as a liquid concentrate. Use this product full strength or diluted down 10% concentration with water at an operating temperature range of 150°F - 160°F. Hand wipe, solution spray, mechanical, or ultrasonic agitation is used to enhance the cleaning action. For dry inks, soak the parts until ink residues are removed. Parts can be wiped with a damp rag or rinsed off with heated water.

**SOILS REMOVED:**

Water-Based Inks	Solvent-Based Inks	UV-Cured Inks
Adhesives	Vinyl Inks	Lapping Compounds
Varnishes	Lacquers	Sulfur Based Cutting Fluids

**SUBSTRATE METALS:**

**OPTIMA™ - 200** 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.**

**PACKAGING/STORAGE:**

**OPTIMA™ - 200** is available in 5 and 55 gallon HDPE UN Rated containers. 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

**Global Specialty Products - USA, Inc.**  
**10 Eagle Avenue, Suite 500 - Mount Holly, New Jersey 08060-1649**  
**Phone: 609-518-7577 Fax: 609-518-5277      www.gsp-usa-inc.com**