



# Global Specialty Products

USA, Inc

## OPTIMA<sup>TM</sup> - 2001 CR CARBON REMOVER & DEGREASER

### EXTENDED BATH LIFE - INCREASE PRODUCTIVITY:

Extremely effective in removing **carbon, dirt, oils and various soils** from ferrous and non ferrous metals, polycarbonate plastics and glass substrates.

### SOILS REMOVED:

Carbon, Dirt, Oils	Crater & Lithium Grease
Grinding, Finishing & Polishing Compounds	Finger Prints & Particles
Water/Solvent Based Inks	Sulfur Based Cutting Fluids
Automotive, Mineral Vegetable & Polybutane Oils	Lapping & Drawing Compounds
Cosmolines, Lipstick & Cycloparaffins	Adhesives

### 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, spray under immersion, ultrasonic agitation or tumblers.

### ENVIRONMENTALLY FRIENDLY - NON FLAMMABLE - BIODEGRADABLE:

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

### ENVIRONMENTAL & 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)	10.8 - 11.2	<b>Ideal Operating Temp (°F)</b>	72 - 145
<b>pH</b> (Full Strength)	11.3 - 11.7	<b>Ideal Operating Concentration</b>	10 - 50%
<b>Specific Gravity</b> (@ 68 °F)	1.065 - 1.07	<b>Weight/Gal.</b> (lbs. /gal.)	8.9

### CLEANING PROCESS:

**OPTIMA™ - 2001CR AQUEOUS CARBON REMOVER AND 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 72 - 145 °F. Hand wipe, solution spray, mechanical, or ultrasonic agitation is used to enhance the cleaning action. For carbon, dry oil, grease, polymers, adhesives or inks, 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 a long-term rust protection, use Solo RI™ Aqueous Rust Inhibitor** at 1-2% concentration in the rinse stage.

### SUBSTRATE METALS:

**OPTIMA™ - 2001CR AQUEOUS CARBON REMOVER AND 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.

### DISPOSAL:

Solutions containing hazardous or non hazardous soils should be handled and treated according to Federal, State and Local Environmental Laws. Even though **OPTIMA™ - 2001CR AQUEOUS CARBON REMOVER AND 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 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:

01012002      **Health**    1                      **Fire**        0                      **Reactivity**    0