

# OPTIMA | 2001CR™

Aqueous Carbon Remover & Degreaser

## Concentrated Aqueous Carbon Remover & Degreaser

### ENVIRONMENTAL

- ⊗ Biodegradable
- ⊗ Non-Toxic
- ⊗ Non-Combustible
- ⊗ Non-Hazardous
- ⊗ Reduced VOC - No Solvents
- ⊗ DOES NOT contain raw materials known to the State of California (Prop 65) to cause cancer, birth defects or other reproductive harm
- ⊗ DOES NOT contain raw materials listed on SECTION 112(b) of HAPs List
- ⊗ REACH Compliant - Does NOT contain raw materials listed on REACH Annex
- ⊗ No SARA 311, 312, 313 Ingredients

It also removes dirt, grease, and grime (grinding, finishing and polishing compounds, sulfur based cutting fluids, water based and solvent based inks, adhesives, and resins) from various surfaces, including engines, vehicles, equipment, floors, and other surfaces not harmed by water.

### Features & Benefits

- ⊗ Replacement for Caustic and Phenolic cleaners
- ⊗ Residue-Free – Easy to Rinse
- ⊗ Complete Inhibition Package and Rinse Aid Technology which provides high performance and extended bath life. (resulting in reduced disposal costs)
- ⊗ Suitable for use in ultrasonic immersion washers, high pressure spray, spray under immersion, tumblers or hand wipe applications
- ⊗ Compatible with all cleaning machines (safe on all O-rings and gaskets)
- ⊗ Non-Corrosive (safe on all Ferrous and non-Ferrous metals) Stainless Steel, Carbon Steel, Aluminum Alloys, Plastics, Glass and Ceramics
- ⊗ Does not damage the substrate
- ⊗ As safe and effective as its sister formula **OPTIMA 2000 FG™ Aqueous Cleaner** (NSF Approved)

### Application

Use Full Strength or (diluted 8 - 15% concentration with water) at 110 °F - 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 cloth or rinsed off with warm water. Use filtered hot air to dry out the parts.

For hand wipe applications use **OPTIMA | 2001CR™ Aqueous Carbon Remover & Degreaser GO GREEN™ Wipes.**



### TYPICAL PROPERTIES

<b>Appearance:</b>	Clear liquid
<b>Flash Point: (Seta Flash)</b>	>200 °F
<b>Odor:</b>	Mild
<b>pH (full strength)</b>	11.50 - 11.70
<b>pH (10% solution in water @ 68°F)</b>	10.80 - 11.00
<b>Vapor Pressure (components)</b>	≤ 0.02 mmHg @ 20 °C (68 °F)
<b>Surface Tension (dynes/cm) (water = 1.0)</b>	24
<b>Ideal Operating Temp</b>	110 - 145 °F
<b>Ideal Operating Concentration</b>	8 - 15%
<b>Specific Gravity @ (68°F)</b>	1.075 - 1.080
<b>Weight/Gal. (lbs. /gal.)</b>	9.0
<b>VOC Content (ASTM D-2369, Method 24)</b>	0.34 lbs./gal or 40.62 grams/liter
<b>HMIS Rating</b>	Health = 1 Fire = 0 Reactivity = 0
<b>Recycling Parameters (Vacuum Distillation) @ 27 mm Hg Pressure</b>	300°F
<b>Product #</b>	02-W059555

### OPTIMA | 2001CR™ Aqueous Carbon Remover & Degreaser

It is a concentrated, heavy-duty multi-substrate, non-emulsifying Aqueous Carbon Remover "Soot" & Degreaser with a complete corrosion inhibition package. It offers rapid removal of heavy organic and inorganic soils.

Oils and cutting fluids will separate from the product and can be skimmed off quickly, resulting in longer shelf life.

Effectively cleans and degreases parts covered with Carbon, Soot, and other particulate air pollutants resulting from engine combustion (aircraft, locomotive, automotive, break paddings, fossil fuels, etc.).

## SAFETY&HANDLING PRECAUTIONS

Refer to SDS for additional safe handling & disposal

**Direct** contact of **OPTIMA | 2001CR™ Aqueous Carbon Remover & Degreaser** will cause a skin irritation or serious eye irritation, it is important to utilize recommended gloves (Use Natural Rubber Gloves when handling this product), safety goggles and other suitable protective clothing your company recommends. Harmful if inhaled or swallowed. **Use product with adequate ventilation. Do Not take internally.** Keep out of reach of children; If splashed in eyes or on skin, wash off with plenty of water. If swallowed remove from exposure area Never give anything by mouth to an unconscious person Get medical advice/attention.

**Refer to SDS Section 4 First Aid Measures**

## DISPOSAL

Refer to SDS for additional safe handling & disposal

**The spent material should not be disposed of in any sewerage system.** Solutions containing hazardous or non-hazardous coatings and other soils should be handled and treated according to Federal, State and Local Environmental Laws. Discharge your waste and rinse water according to Federal, State and Local Regulations.

## PACKAGING & STORAGE

HDPE UN Rated

1 Gallon EasyPour Jugs  
5 Gallon Pails  
55 Gallon Steel Drums (closed cap)  
**GO GREEN™ Wipes** in an "Easy Carry Bucket"  
(90 / 12 " x 12" Polypropylene Saturated Wipes)

Freight easily shipped via local carriers ground or LTL.

This product should be kept in its original container above freezing and less than 100 °F.

**Store drums in a dry area.**



10 Eagle Avenue - Suite 500 - Mount Holly, NJ 08060  
Phone: 609-518-7577 / Fax: 609-518-5277