



## DARACLEAN<sup>®</sup> 200: Aqueous Alkaline Cleaner

DARACLEAN 200 is a low-foam alkaline liquid all-purpose cleaner that can be used in soak, agitation, or spray applications. Effective at temperatures ranging from 27 - 93°C (80°F to 200°F), DARACLEAN 200 has a unique self-cleaning ability which provides for long fluid life and vastly reduced disposal requirements.

- Low Foam
- Provides in-process rust protection
- Excellent hard water tolerance
- SCAQMD Certified
- Multi-metal safe
- Effective at room temperature
- No SARA reportables
- Rejects most soils
- Recyclable for long life
- No VOC's

### Applications/Starting Dilution

Method	Concentration	Temperature	Typical Duration
Soak	3 - 25%	27 - 82°C (80 - 180°F)	2 - 30 Minutes
Agitation	3 - 25%	27 - 82°C (80 - 180°F)	2 - 30 Minutes
Spray	1 - 12% (2 - 5%*)	54 - 82°C (130 - 180°F)	0.25 - 3 Minutes
Hand Wipe	Not recommended	--	--
Steam	1 - 12%	66 - 93°C (150 - 200°F)	1 - 5 Minutes
Ultrasonic	3 - 25%	27 - 82°C (80 - 180°F)	2 - 30 Minutes
Inhibitor/Rinse Aid	1 - 3%, Inhibitor	27 - 82°C (80 - 180°F)	0.25 - 5 Minutes

\*Preferred Range

Concentration, temperature and duration may be adjusted for optimum performance.

### Concentration Check Procedure

#### Test Kit Titration Method

Sample Size:	10 ml	OR	10 ml
Titrant:	1.0 N Acid		0.5 N Acid
Indicator:	Phenolphthalein		Phenolphthalein
Concentration (%):	Drops titrant x 0.8		Drops titrant x 0.4

#### Conductivity Method

Conductivity reading (µS) ÷ 500 = % DARACLEAN 200.

#### Refractometer Method

Not applicable.



## Typical Physical Properties

Alkaline Equivalent	0.63 - 0.73 (MEQ to pH 8.3) 0.75 - 0.86 (MEQ to pH 4.0)
Appearance	Clear, slightly hazy yellow liquid
Cloud Point, 10% in DI water	27 - 38°C (80 - 100°F)
Conductivity, Concentrate	49.8 µS
Foam, 10% in tap water	≥20 ml @ 4 - 16°C (40 - 60°F) ≤20 ml @ 41 - 49°C (105 - 120°F)
Odor	Citrus
pH, 10% Diluted in DI Water, 25°C (77°F)	11.5 - 12.5
pH, Concentrate, 25°C (77°F)	12.5 - 13.5
Refractive Index, Concentrate	15.5°Brix @ 20°C (68°F)
Specific Gravity	1.05
Surface Tension, 10%	36 dynes/cm
Vapor Pressure	24 mmHG @ 24°C (75°F)
VOC, 10% (EPA Method 24)	0.0 gm/l (0.0 lbs/U.S. gallon)
VOC, Concentrate (EPA Method 24)	0.0 gm/l (0.0 lbs/U.S. gallon)
Weight	1.05 kg/l (8.8 lbs/ U.S. gallon)

## Performance Properties

Cast Iron Corrosion	
at 5%	Excellent
at 10%	Excellent
Film Residue	Dry, non-tacky; water rinsable
Foam	
10% (cold tap water)	Moderate
10% (hot tap water)	Low

## Disposal

DARACLEAN 200 can be pretreated via skimming and/or filtering. Final sewerability is determined by the municipal sewer district covering the plant location.

## Availability, Storage, and Handling

DARACLEAN 200 is available in 5 gallon pails and 55 gallon drums. It is recommended that DARACLEAN 200 be stored in well ventilated areas at temperatures between 4 - 38°C (40°F - 100°F). The recommended shelf life of this product is one year.

**For MSDS**

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[www.rocolnorthamerica.com](http://www.rocolnorthamerica.com)

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