



# DARACLEAN

## AQUEOUS CLEANERS

### DARACLEAN® 236

#### AQUEOUS CLEANING SOLUTION

- Aerospace Compliant
- Low Foam Levels
- Corrosion Inhibitors
- Low VOCs
- RoHS Compliant
- Multi-Metal Safe
- No Silicates
- No Phosphates
- No Chlorine, Sulfur

#### • **Safe and Effective**

DARACLEAN® 236 is a low-foaming, all-purpose neutral cleaning solution. Formulated with a blend of surfactants, emulsifiers, and corrosion inhibitors, DARACLEAN® 236 is an excellent cleaner for use on a broad spectrum of soils. Designed to be used with immersion, spray, and ultrasonic applications, it is safe to use with most metals and is non-aggressive towards aluminum, brass, and copper alloys.

#### • **Aerospace Qualified**

DARACLEAN® 236 has been tested and certified to meet and exceed Aerospace industry specifications for aqueous and alkaline cleaners. OEM Certifications include Boeing and Pratt & Whitney. Independent laboratory testing has confirmed that DARACLEAN® 236 complies with AMS 1526<sup>†</sup>, ARP 1755, and ASTM F-483, F-484, F-485, F-502, F-945, and F-1110.

DARACLEAN® 236 is also certified to California Department of Health Title 22 Aquatic Toxicity requirements.

#### • **Soil Rejecting**

DARACLEAN® 236 has excellent soil-rejecting qualities. After soils are lifted from part surfaces, they are suspended in the cleaner for a short time. Over time, solids will settle out, and oil and grease droplets will coalesce and float on the surface of the solution. Removal of soils can easily be accomplished using filters or skimmers as necessary. This action extends the useful life of DARACLEAN® 236 much further than emulsion-type cleaning solutions.

#### **Typical Applications**

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	5–30%	80–180°F (27–82°C)	2–30 minutes
Ultrasonic	5–30%	80–180°F (27–82°C)	2–30 minutes
Spray	2–30%	130–180°F (54–82°C)	0.25–3 minutes
Steam	1–12%	150–200°F (66–93°C)	1–5 minutes

*\*Operating parameters should be optimized for each individual application.*

<sup>†</sup> Except dichromated magnesium

## MAGNAFLUX™

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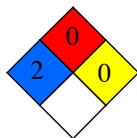
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<b>pH Level</b>	13-14	Caustic	Higher pH cleaners are more aggressive and will clean tougher soils but high pH levels can corrode or etch soft metal surfaces.
	11-13	High Alkaline	
	9-11	Alkaline	
	7-9	Neutral	
<b>Foam Level</b>	High		High foam levels will penetrate cracks and holes better, but foam cannot be tolerated in spray applications.
	Moderate		
	Low		
<b>Silicates</b>	Yes	No	Silicates prevent corrosion of metal surfaces, but can form mineral films at high temperatures.
<b>Phosphates</b>	Yes	No	Phosphates provide excellent cleaning action, but are subject to environmental regulations.
<b>Hard Water Tolerance</b>	High		Hard water can suppress cleaning actions—some cleaners are formulated to counteract hard water effects.
	Moderate		
	Low		
<b>Aerospace Compliant</b>	Yes	No	See list for specification compliance
<b>SCAQMD Certified</b>	Yes	No	VOC (10%) 6.0 g/L

**Legend:** Correct Application

	Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Plating (Cd, Cr, Ir, Pt)	Stainless Steel	Titanium	Zinc
Excellent	★★★★	★★★★	★★★	★★★★	★★★		★★★★		★★★★		
Good	★★★	★★★	★★	★★★	★★		★★★		★★★		
Fair	★★	★★	★	★★	★		★★		★★		
Poor	★	★		★			★		★		
Not Recommended											
Water-Soluble Oils	★★★★	★★★★	★★★	★★★★	★★★		★★★★		★★★★		
Machining Fluids	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Synthetic Coolants	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Medium Weight Oils	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Lube Oils	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Buffing Compounds	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Motor Oils	★★★★	★★★★	★★	★★★★	★★		★★★★		★★★★		
Heavy Petroleum Oils	★★	★★	★	★★	★		★★		★★		
Carbonized Soils	★	★		★			★		★		
Railroad & Axle Grease	★★	★★	★	★★	★		★★		★★		
Glues	★★	★★	★	★★	★		★★		★★		
Spray Adhesives											



NFPA Rating (Concentrate)

DARACLEAN® 236

5 US Gallons (18.9 liters)

P/N 01-6040-40

DARACLEAN® 236

55 US Gallons (208 liters)

P/N 01-6040-45

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