



DARACLEAN

AQUEOUS CLEANERS

DARACLEAN® 212

AQUEOUS CLEANING SOLUTION

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

• **Safe and Effective**

DARACLEAN® 212 is a foaming, all-purpose neutral cleaning solution. Formulated with a blend of surfactants, emulsifiers, and corrosion inhibitors, DARACLEAN® 212 is an excellent cleaner for use on a broad spectrum of soils. Designed to be used with ultrasonic applications, it is safe to use with most metals and is non-aggressive towards aluminum and titanium alloys.

• **Aerospace Qualified**

DARACLEAN® 212 has been tested and certified to meet and exceed most Aerospace industry specifications for aqueous and alkaline cleaners. OEM Certifications include Boeing and Douglas. Independent laboratory testing has confirmed that DARACLEAN® 212 complies with AMS 1526†, ARP 1755, and ASTM F-331, F-483, F-484, F-485, F-502, F-519, F-945, F-1110, and F-1111.

• **Soil Rejecting**

DARACLEAN® 212 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® 212 much further than emulsion-type cleaning solutions.

Typical Applications

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	3–25% 8–12% Recommended	80–180°F (27–82°C)	2–30 minutes
Ultrasonic	3–25%	80–180°F (27–82°C)	2–30 minutes
Spray	Not Recommended		
Steam	1–12%	150–200°F (66–93°C)	1–5 minutes

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

† Except dichromated magnesium

MAGNAFLUX

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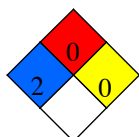
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DARACLEAN® 212

pH Level	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		
Foam Level	High		High foam levels will penetrate cracks and holes better, but foam cannot be tolerated in spray applications.
	Moderate		
	Low		
Silicates	Yes	No	Silicates prevent corrosion of metal surfaces, but can form mineral films at high temperatures.
Phosphates	Yes	No	Phosphates provide excellent cleaning action, but are subject to environmental regulations.
Hard Water Tolerance	High		Hard water can suppress cleaning actions—some cleaners are formulated to counteract hard water effects.
	Moderate		
	Low		
Aerospace Compliant	Yes	No	See list for specification compliance
SCAQMD Certified	Yes	No	VOC (10%) 7.2 g/L

Legend: Correct Application

	Excellent	Good	Fair	Poor	Not Recommended	Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Plating (Cd, Cr, Ir, Pt)	Stainless Steel	Titanium	Zinc
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® 212

5 US Gallons (18.9 liters)

P/N 01-6030-40

DARACLEAN® 212

55 US Gallons (208 liters)

P/N 01-6030-45

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