



DARACLEAN

AQUEOUS CLEANERS

DARACLEAN® 232A

AQUEOUS CLEANING SOLUTION

- Aerospace Compliant
- Moderate Foam Levels
- Corrosion Inhibitors
- LOW VOCs
- RoHS Compliant
- Multi-Metal Safe
- Hard Water Tolerant
- No Phosphates
- No Chlorine, Sulfur

• **Safe and Effective**

DARACLEAN® 232A is a moderately-foaming, all-purpose alkaline cleaning solution. Formulated with a blend of surfactants and corrosion inhibitors, DARACLEAN® 232A is an excellent cleaner for use on a broad spectrum of soils. Designed to be used with immersion, ultrasonic, and light spray applications, it is safe to use with most metals and is non-aggressive towards aluminum, magnesium, and titanium alloys.

• **Aerospace Qualified**

DARACLEAN® 232A has been tested and certified to meet and exceed Aerospace industry specifications for aqueous and alkaline cleaners. OEM Certification to Pratt & Whitney requirements. Independent laboratory testing has confirmed that DARACLEAN® 232A complies with ARP 1755 and ASTM F-945.

• **Soil Rejecting**

DARACLEAN® 232A 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® 232A much further than emulsion-type cleaning solutions.

Typical Applications

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	3–25%	80–180°F (27–82°C)	2–30 minutes
Ultrasonic	3–25%	80–180°F (27–82°C)	2–30 minutes
Spray	1–12% 2–5% Recommended	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.*

† Except dichromated magnesium

MAGNAFLUX™

A Division of Illinois Tool Works Inc.

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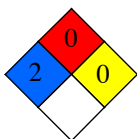
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DARACLEAN® 232A

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%) 2.4 g/L

Legend: Correct Application

<div>Excellent</div>		Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Plating (Cd, Cr, Ir, Pt)	Stainless Steel	Titanium	Zinc
<div>Good</div>												
<div>Fair</div>												
<div>Poor</div>												
<div>Not Recommended</div>												
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® 232A 5 US Gallons (18.9 liters)

P/N 01-6070-40

DARACLEAN® 232A 55 US Gallons (208 liters)

P/N 01-6070-45

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