



DARACLEAN

AQUEOUS CLEANERS

DARACLEAN® 283

AQUEOUS CLEANING SOLUTION

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

• **Safe and Effective**

DARACLEAN® 283 is a low-foaming, all-purpose alkaline cleaning solution. Formulated with a blend of surfactants, emulsifiers, and corrosion inhibitors, DARACLEAN® 283 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 and titanium alloys.

• **Aerospace Qualified**

DARACLEAN® 283 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® 283 complies with AMS 1526†, ARP 1755, and ASTM F-483, F-484, F-485†, F-502, F-519, F-945, F-1110†, and F-1111.

• **Soil Rejecting**

DARACLEAN® 283 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® 283 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, anodized aluminum, and zinc

MAGNAFLUX™

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DARACLEAN® 283

| | | | |
|-----------------------------|----------|---------------|---|
| 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%) 0.0 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® 283

5 US Gallons (18.9 liters)

P/N 01-6060-40

DARACLEAN® 283

55 US Gallons (208 liters)

P/N 01-6060-45

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