

# Daraclean<sup>®</sup> 283

## Alkaline Aqueous Cleaner

Daraclean<sup>®</sup> 283 is a low-foaming, powerful alkaline cleaning solution formulated for use on a broad spectrum of soils, composed of surfactants, emulsifiers, and corrosion inhibitors. It is safe to use on most metals and is non-aggressive towards titanium alloys.

Daraclean 283 has excellent soil rejecting properties that remove soils, then allow solids to settle and lighter grease droplets to float. The solution can be filtered and skimmed to extend its life much further than emulsion-type cleaners.

Daraclean 283 is designed for immersion, spray and ultrasonic applications, in concentrations up to 25 percent. It is tested and certified to meet or exceed aerospace specifications for aqueous alkaline cleaners. High alkaline chemistry is aggressive on soils, and low foam levels can be used in spray applications. Daraclean 283 contains no phosphates and is highly tolerant of hard water, and its inhibitors prevent corrosion on metals.

Daraclean 283 is specifically designed for carbon steel, cast iron, nickel and superalloys, stainless steel and titanium, and it also works well on brass and bronze, copper, plated metals, and can be used on aluminum. It is effective on water soluble oils, machining fluid, synthetic coolants, and medium and heavy weight oils, lube oils, buffing compounds. It will also work on carbonized soils. Daraclean 283 comes in 55-gallon containers.



### BENEFITS

- Heavy-duty, high alkaline cleaner
- Low foam level
- Corrosion inhibitor
- Soil rejecting properties

### APPLICATIONS

#### Cleaning methods:

- Dipping / immersion cleaning
- Ultrasonic cleaning
- Spray cleaning

#### Ideal for:

- Brass and bronze
- Carbon steel
- Cast iron
- Stainless steel
- Copper
- Magnesium
- Nickel
- Super alloys
- Plated metals
- Titanium

**Removes:**

- Buffing compounds
- Carbonized soils
- Heavy oils and dirt
- Heavy petroleum oils
- Lube oils
- Machining fluid
- Medium weight and lube oils
- Synthetic coolants
- Water-soluble oils

**SPECIFICATIONS COMPLIANCE**

- AMS 1551, 1551A
- BAC 5749
- Pratt and Whitney PMC 1421

**Applications:**

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

## PROPERTIES

<b>pH Level</b>	High alkaline
<b>Foam Level</b>	Low
<b>Silicates</b>	Yes
<b>Phosphates</b>	No
<b>Hard Water Tolerance</b>	High
<b>Aerospace Compliant</b>	Yes
<b>SCAQMD Certified</b>	No

## USE RECOMMENDATIONS

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	3–25%	80 to 180°F / 27 to 82°C	2–30 mins
Ultrasonic	3–25%	80 to 180°F / 27 to 82°C	2–30 mins
Spray	1–12% Recomm.: 2–5%	130 to 180°F / 54 to 82°C	0.25–3 mins
Steam	1–12%	150 to 200°F / 66 to 93°C	1–5 mins

Storage temperature: 50 to 86°F / 10 to 30°C

## INSTRUCTIONS FOR USE

Dilute cleaner with water to the appropriate concentration or use. Cleaning efficiency can be improved with agitation and heat. Increasing cleaning bath temperature will decrease foaming.

### Maintenance Recommendations

Maintain cleaning bath by skimming and/or filtering. Check in-use cleaner concentration to maintain cleaning effectiveness. The recommended method for measuring concentration is titration method.

Concentration Verification: HACH Alkalinity Titration Kit\*

<b>Titrant</b>	0.5N Sulfuric Acid
<b>Indicator</b>	Bromcresol Green-Methyl Red
<b>Concentration %</b>	Titrant drops x 1.66

\* Ordering info: Alkalinity Test Kit, Model AL-TA; Product # 2314500; Mfr. Hach Company; Website [www.hach.com](http://www.hach.com)

## PACKAGING

55 gal / 208 L drum 01-6060-45

## HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at [www.magnaflux.com](http://www.magnaflux.com).