Daraclean® 235

Neutral Aqueous Cleaner

Daraclean® 235 is a low-foaming, neutral cleaning solution for general use on a broad spectrum of soils and safe to use on most metals, non-aggressive on aluminum, brass, copper, titanium and zinc alloys. Soil-rejecting properties suspend soils in the solution and can be filtered and skimmed to extend the life of the cleaner much further than emulsion cleaners.

Designed for immersion, spray and ultrasonic and steam applications in concentrations up to 30 percent. Formulated for use on exotic materials and specialty plating, including LOX system components. It is a neutral pH cleaner, complete with defoamer, and has no silicates or phosphates. Use Daraclean 235 on aluminum, anodized aluminum, brass and bronze, carbon steel, stainless steel, cast iron, copper, nickel, superalloys, plated metals, titanium and zinc alloys. Will remove water-soluble oils, machining fluid, synthetic coolants, medium weight and lube oils, buffing compounds and motor oils.

BENEFITS

- Safe for exotic materials
- Neutral cleaning
- Built-in defoamer
- Corrosion inhibitor

SPECIFICATION COMPLIANCE

- Boeing BAC 5763
- Honeywell ARP 4992

PROPERTIES

pH Level	Neutral
Foam Level	Low
Silicates	No
Phosphates	No
Hard Water Tolerance	Low
Aerospace Compliant	Yes
SCAQMD Certified	No

APPLICATIONS

Cleaning methods:

- Immersion cleaning
- Ultrasonic cleaning
- Spray cleaning

Ideal for:

- Aluminum
- Anodized aluminum
- Brass
- Bronze
- Carbon steel
- Cast iron
- Copper
- Nickel
- Stainless steel
- Superalloys
- Plated metals
- Titanium
- Zinc

Removes:

- Buffing compounds
- Cutting fluids
- Grease
- Lubricant oils
- Machine oils
- Machining fluid
- Medium weight and lube oil
- Motor oil
- Synthetic coolant
- Water-soluble oils

Applications:

		Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Platting (Cd, Cr, Ir, Pt)	Stainless Steel	Titanium	Zinc
Excellent	••••											
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 & Axel Grease												
Glues												
Spray Adhesives												

USE RECOMMENDATIONS

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

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*

Titrant	0.5N Sulfuric Acid
Indicator	Bromcresol Green-Methyl Red
Concentration %	Titrant drops x 0.65

* Ordering info: Alkalinity Test Kit, Model AL-TA; Product # 2314500; Mfr. Hach Company; Website **www.hach.com**

PACKAGING

55 gal / 208 L drum 01-6050-45

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**.