MAGNAFLUX

Product Data Sheet

Daraclean® 236

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Neutral Aqueous Cleaner

Daraclean® 236 is a low-foaming, all-purpose neutral cleaner for a wide range of soils and safe to use on most metals and removes tarnish from brass, bronze, and copper alloys. Excellent soil-rejecting properties keep soils suspended until solids settle and oil and grease coalesce and float, to be removed by filtering or skimming, which extends the life of the cleaner much further than emulsion-type solutions.

Daraclean 236 is designed to be used in immersion, ultrasonic, spray and steam processes in concentrations up to 30 percent. It is a neutral pH cleaner, complete with defoamer, and has no silicates or phosphates, and is also highly tolerant of hard water. Daraclean 236 is compliant with aerospace specifications and removes oils, machining fluid, synthetic coolants, buffing compounds, railroad and axle grease, and can also be used on sealants and heavy oils.

BENEFITS

- Brightens yellow metals
- Neutral cleaning
- Built-in defoamer
- Corrosion inhibitor
- Aerospace approved
- Low foaming

SPECIFICATION COMPLIANCE

- Pratt & Whitney PMC 1438

APPLICATIONS

Cleaning methods:

- Immersion cleaning
- Ultrasonic cleaning
- Spray cleaning

Removes:

- Buffing compounds
- Grease
- Machine oils
- Machining fluid
- Medium weight and lube oil
- Motor oil
- Railroad & axle grease
- Synthetic coolant
- Water-soluble oils

Ideal for:

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

Applications:

Excellent ••••	Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Platting (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 & Axel Grease	•••	•••	••	•••	••	•••	•••	•••	•••	•••	
Glues	••	••	•	••	•	••	••	••	••	••	
Spray Adhesives											

USE RECOMMENDATIONS

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	5–30%	80 to 180°F / 27 to 82°C	2–30 mins
Ultrasonic	5–30%	80 to 180°F / 27 to 82°C	2-30 mins
Spray	2–30%	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

PROPERTIES

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

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
Concen-tration %	Titrant drops x 2.5

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

PACKAGING

55 gal / 208 L drum 01-6040-45

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**.

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Daraclean Compatibility with Plastics and Elastomers

Aqueous cleaners are known to have adverse effects on some gasket materials while having no effect on others. Adverse effects may include swelling and plasticising (softening) or swelling and disintegration (brittleness). The following lists Daraclean compatibility with a variety of elastomers when tested at 45°C for 92 days.

DARACLEAN		200	212	235	236	259	282	282GF	283
Flourinated Elastomer	Viton	E	E	E	E	E	E	E	E
Fluorinated Elastomer	PVDF	E	E	E	E	E	E	E	E
Flourinated Elastomer	Teflon®	E	E	E	E	E	E	E	E
Fluorinated Elastomer	Kalrez®	E	E	E	E	E	E	E	E
Composite	Ceramics	E	E	E	E	E	E	E	E
Composite	Nickel Graphite	E	E	E	E	E	E	E	E
Fiber	Nylon	E	E	E	E	E	E	E	E
Chloroprene	Neoprene	G	G	G	G	G	G	G	G
Polyvinyl Chloride	PVC	E	E	E	E	E	E	E	E
Isobutylene Isoprene	Butyl	G	G	G	G	G	G	G	G
Ethylene Propylene	E P Rubber	G	G	G	G	G	G	G	G
Polysulfide	Thiokol	G	G	G	G	G	G	G	G
Chlorosulfonated PE	Hypolon	G	G	G	G	G	G	G	G
Chloro Polyvinyl Chloride	CPVC	G	G	G	G	G	G	G	G
Polypropylene	Polypropylene	G	G	G	G	G	G	G	G
E P Diene Monomer	EPDM	G	G	G	G	G	G	G	G
Polyisoprene	Latex (Natural) Rubber	F	F	F	F	F	F	F	F
Syn. Polyisoprene	Latex(Synthetic)Rubber	F	F	F	F	F	F	F	F
Polyester/Polyether	(Poly)Urethane	F	F	F	F	F	F	F	F
Poly Methyl Methacrylate	Plexiglass	F	F	F	F	F	F	F	F
Styrene Butadiene	Buna-S	F	F	F	F	F	F	F	F
Styrene Nitrile Copolymer	Buna-N	F	F	F	F	F	F	F	F

Code:
E = Excellent. No effect.
G = Good. Little or no effect
F = Fair. Slight swelling, softening or brittleness. Switch to an alternate elastomer if possible.
P = Poor. Swelling, softness or brittleness noted. Not recommended for use with Daraclean.

Revised: January 2018