

Daraclean® 212

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Neutral Aqueous Cleaner

A foaming, all-purpose neutral cleaning solution meant for a broad spectrum of soils, Daraclean® 212 is formulated with a blend of surfactants, emulsifiers, and corrosion inhibitors, and is safe to use on most metals, while being non-aggressive with aluminum and titanium alloys. It boasts excellent soil-rejecting qualities, suspends soils and is designed to be filtered and skimmed to extend the cleaner's life beyond that of emulsion-type cleaners.



Daraclean 212 is designed for immersion, ultrasonic and steam methods of use, in concentrations up to 25 percent. Meets or exceeds most aerospace industry specifications for aqueous cleaners, and comes in 5 and 55 gallon containers. Foaming action provides superior cleaning of blind holes and complex structures, but is not suitable for spray applications. No phosphates or silicates mean that Daraclean 212 meets environmental requirements in critical applications.

Daraclean 212 is a high-performance cleaner for aluminum, anodized aluminum, brass, bronze, carbon steel, cast iron, nickel and superalloys, plated metals, stainless steel and titanium, and is also can clean copper. It works best on water soluble oils, medium and heavy weight oils, machining fluids, synthetic coolants, and buffing compounds.

FEATURES

- General purpose
- Neutral cleaning
- Foaming action
- Corrosion inhibitor
- Excellent soil-rejecting

SPECIFICATION COMPLIANCE

- ASTM F-1110
- Boeing BAC 5763
- Honeywell ARP 4992

APPLICATIONS

Cleaning methods:

- Ultrasonic dipping cleaning (recommended)
- Immersion cleaning
- Steam cleaning

Ideal for:

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

Removes:

- Buffing compounds
- Grease
- Grease and dirt suspended
- Machining fluid
- Medium weight and lube oil
- Motor oil
- Solid dirt
- Synthetic coolants
- Water-soluble oils

PRODUCT PROPERTIES

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

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 & Axel Grease	•••	•••	•••	•••	•••	•		•••	•••	•••	•••	
Glues												
Spray Adhesives												

USE RECOMMENDATIONS

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	3–25% Recomm: 8–12%	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	NR	NR	NR
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*

Titrant	0.5N Sulfuric Acid
Indicator	Bromcresol Green-Methyl Red
Concentration %	Titrant drops x 0.7

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

PACKAGING

5 gal / 18.9 L pail 01-6030-40
55 gal / 208 L drum 01-6030-45

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.qnde.ca.

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

