Daraclean® 212

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:

		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	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.magnaflux.com.