AQ-710

Alkaline Aqueous Cleaner

AQ-710 is a high performance cleaner designed specifically for non-destructive testing processes. The alkaline aqueous cleaner is ideal for a wide range of materials and a variety of contaminates. A low-foaming all-purpose glycol-free alkaline cleaning solution that combines a unique blend of surfactants and corrosion inhibitors that meet or exceed the specifications for most aerospace NDT applications for aqueous and alkaline cleaners.

AQ-710 is designed for immersion, ultrasonic and spray applications, and is safe for use on most metals. It is non-aggressive towards aluminum, magnesium and titanium alloys, and can be used in concentrations up to 25 percent. It is moderately alkaline with low foaming levels for use in spray applications, contains inhibitors to protect metal surfaces from corrosion and it is also tolerant of hard water.

AQ-710 is formulated with soil-rejecting properties, which suspend the solids in the cleaner after lifting them from the test material. Once the soils have settled out and lighter greases coalesce and float, the cleaner solution can be filtered and skimmed to extend its lifespan significantly beyond an emulsion type cleaner.

BENEFITS

- Extensive materials compatibility
- Cost efficient concentrate formulation
- Outstanding cleaning performance on a broad spectrum of soils

FEATURES

- Alkaline cleaner
- Low foam level
- Rust inhibitor

SPECIFICATION COMPLIANCE

- ASTM F 1110
- ASTM F 1111
- AMS 1551A Class 2
- ARP 1511
- ARP 1755B
- ASTM F519
- ASTM F945 Method A
- GEAE Method 22, 51145*
- Honeywell C 148*
- PWA 36604-Hot Corrosion, Non-Metallic, Stock Loss, Stress Corrosion
- PWA 407 Rubber
- RR CSS 204 Type A*
- Safran DMP 13-300
- Safran DMR 70-700

*Approval is pending

APPLICATIONS

Cleaning methods:

- Dipping / immersion cleaning
- Ultrasonic cleaning
- Spray cleaning

The ratings in this table are usage suggestion based on based on cleaning ability and material compatibility.

		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	x											
Water-Soluble Oils		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Machining Fluid		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Synthetic Coolants		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Medium Weight Oils		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Lube Oils		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Buffing Compounds		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Motor Oils		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Heavy Petroleum Oils		••••	••••	••••	••••	••••	•••	••••	••••	••••	•••	x
Carbonized Soils		•••	•••	•••	•••	•••	••	•••	•••	•••	••	x
Railroad & Axel Grease		x	x	x	x	x	x	x	x	x	x	x
Glues		x	x	x	x	x	x	x	x	x	x	x
Spray Adhesives		x	x	x	x	x	x	x	x	x	x	x

USE RECOMMENDATIONS

Cleaning Method	Concen-tration	Temp-erature	Typical Duration
Immersion	3–25%	27–82°C	2–30 mins
Ultrasonic	3–25%	27–82°C	2–30 mins
Spray	1–12% Recomm.: 2–5%	54–82°C	0.25–3 mins
Steam	1–12%	66–93°C	1–5 mins

Storage temperature: 10–30°C

PROPERTIES

pH Level	Alkaline
Foam Level	Low
Silicates	Yes
Phosphates	No
Hard Water Tolerance	Moderate
Aerospace Compliance	Yes

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 1.43

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

PART NUMBERS & PACKAGING

062C003

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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.eu**.