

AQ-715

Alkaline Aqueous Cleaner

AQ-715 is a low-foaming, powerful alkaline cleaning solution formulated for use on a broad spectrum of soils, composed of surfactants, emulsifiers, and corrosion inhibitors. It is safe to use on most metals and is non-aggressive towards titanium alloys.

AQ-715 has excellent soil rejecting properties that remove soils, then allow solids to settle and lighter grease droplets to float. The solution can be filtered and skimmed to extend its life much further than emulsion-type cleaners.

AQ-715 is designed for immersion, spray and ultrasonic applications, in concentrations up to 25 percent. It is tested and certified to meet or exceed aerospace specifications for aqueous alkaline cleaners. High alkaline chemistry is aggressive on soils, and low foam levels can be used in spray applications. AQ-715 contains no phosphates and is highly tolerant of hard water, and its inhibitors prevent corrosion on metals.

AQ-715 is specifically designed for carbon steel, cast iron, nickel and superalloys, stainless steel and titanium, and it also works well on brass and bronze, copper, plated metals, and can be used on some aluminum alloys. It is effective on water soluble oils, machining fluid, synthetic coolants, and medium and heavy weight oils, lube oils, buffing compounds. It will also work on carbonized soils. AQ-715 comes in 55-gallon containers.

BENEFITS

- Heavy-duty, high alkaline cleaner
- Low foam level
- Corrosion inhibition
- Soil rejecting properties

SPECIFICATIONS COMPLIANCE

- ASTM F 1110*
- ARP 1755
- ASTM F 519
- ASTM F 945
- PWA 36604-Hot Corrosion, Non-Metallics, Stock Loss, Stress Corrosion
- PWA 407 Rubber

*Except AMS 4041

PROPERTIES

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

APPLICATIONS

Cleaning methods:

- Dipping / immersion cleaning
- Ultrasonic cleaning
- Spray cleaning

Ideal for:

- Brass and bronze
- Carbon steel
- Cast iron
- Stainless steel
- Copper
- Magnesium
- Nickel
- Super alloys
- Plated metals
- Titanium

Removes:

- Buffing compounds
- Carbonized soils
- Heavy oils and dirt
- Heavy petroleum oils
- Lube oils
- Machining fluid
- Medium weight and lube oils
- Synthetic coolants
- Water-soluble oils

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	Temp.	Typical Duration
Immersion	3–25%	80–180°F / 27–82°C	2–30 mins
Ultrasonic	3–25%	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

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.

PACKAGING

55 gal / 208 L drum 01-6060-45

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 1.66

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