



ARMAKLEEN™ M-HP-2 Aqueous Metal Spray Cleaner Product Information

General Description

ARMAKLEEN M-HP-2 is the lowest foaming spray cleaner in the ARMAKLEEN line of products and can be used in **H**igh-**P**ressure cabinet washers with spray pressures above 60 psi. ARMAKLEEN M-HP-2 meets MIL-C-29602 titled “Cleaning Compounds for Parts Washers and Spray Cabinets”. This versatile aqueous cleaner is effective on a variety of soils and is safe on steel, stainless steel, aluminum, brass, and copper. M-HP-2 effectively splits oil and can be used with oil skimming, coalescing and other filtration systems to extend cleaner bath life. Spray washing applications that continually foam even with the addition of defoamer should consider switching to ARMAKLEEN M-HP-2.

When left on metal surfaces, ARMAKLEEN M-HP-2 provides temporary indoor rust protection during storage and between operations. The amount of rust protection is dependent on many variables including the environmental condition of the storage facility.

M-HP-2 conforms to the following Specifications...

- MIL-C-29602 – Titled cleaning compounds for parts washers and spray cabinets
- Pratt Whitney PWA 36604 – Approval of cleaners used in manufacture and overhaul of parts requirements
- Rolls Royce CSS253 – Test methods for qualification testing of processing agents
- General Electric – Recommended practice for certifying agent approval of cleaning products used on metallic jet engine hardware
- Allied Signal EMS 53170 – Material requirements for aqueous and semi-aqueous degreasing

<i>FEATURES</i>	<i>BENEFITS</i>
Low Foaming	Will not foam in high pressure spray applications
Multi-Metal Safe	Can simultaneously clean steel and aluminum
Non-Hazardous	No SARA 313 or WHIMS reporting requirements
Cleaner/Rust Preventative	Cleans metals and provides short term rust protection
Non flammable	Improves employee safety and eliminates fire hazards
No VOCs	Meets all Air Quality standards for VOC emissions
No phosphates, nitrites or amines	Safer for workers and the environment

SK Part Numbers

ARMAKLEEN™ M-HP-2 (55 gallon drum) SK P/N: 6313

ARMAKLEEN™ M-HP-2 (5 gallon pail) SK P/N: 6335

Operating Parameters

Operating Temperature: 100°F – 160°F

Operating Concentration: 3-10%/volume

pH Concentrate: 11.9

pH 5% Solution: 10.9 – 11.3

10% Solution: 11.5 – 11.6

Equipment Recommendation:

Spray Washers – Cabinet Washers, In-Line Spray Systems, High Pressure Spray Washers

Soil Compatibility

Grease, oil, lubricants, machining fluids and lubricants, rust preventatives and other commercial and industrial soils

Substrate Compatibility

Steel, stainless steel, cast iron, aluminum, copper, brass and other alloys

Compliance Information

MSDS Information: SK P/N 82846 (English version)

SK P/N 82877 (French version)

Titration Information

SK P/N 4623 Total Alkalinity Titration Kit (order through branch SAP).

Additives

ARMAKLEEN™ Defoamer SK P/N 6310 (Pints – 8 per case) & SK P/N 6343 (5-gallon pail)

ArmaKleen M-RP (for added rust protection) SK P/N 6342 (5-gallon pail)

Precautions

Foaming may occur at operating temperatures below 100°F. At elevated usage concentrations, spotting may result in no-rinse applications.

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