



Product Info Sheet



General Description

ArmaKleen™ MPC is an effective, low temperature, aqueous manual parts and general purpose cleaner. This tenacious cleaner is effective on a variety of contaminants including brake dust, road dirt, grease and oil. MPC is multi-metal safe so it can be used on a variety of substrates such as steel, stainless steel, cast iron, aluminum, copper and brass. ArmaKleen MPC can be used at ambient temperatures up to 120°F.

ArmaKleen MPC also provides temporary indoor rust protection when left on metal surfaces. The duration of rust protection is directly related to environmental storage conditions.

ArmaKleen MPC is compatible with ultrafiltration systems for mop water and general maintenance cleaning. MPC can be used as a floor cleaner in tenant machines (automated floor cleaners), mop bucket systems and as a spray & wipe cleaner in a spray bottle. MPC is very effective in a wide range of cleaning applications whenever you need to remove soils from concrete, asphalt, painted surfaces, counter tops, glass and other floor surfaces.

Features	Benefits
Low Temperature	Cleans effectively and is safe for manual cleaning
Multi-Metal Safe	Can simultaneously clean a variety of metals
Versatile	Effectively cleans in manual and immersion units
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

Operating Parameters

pH of Concentrate: 11.8
 pH of 20% by volume dilution: 11.4

Equipment Type	MPC Concentration	Washer Temperature
Manual Parts Washers	20% by volume	Ambient to 120°F
Immersion Washers	20% by volume	Ambient to 120°F
Tenant Machines, Mop Bucket Systems, & Spray Bottles,	3% to 20% by volume	Ambient to 120°F

Safety-Kleen Part Numbers

ArmaKleen™ Product (55 Gallon Drum) SK P/N: 6301 (inventory), 6444 (sales)
 ArmaKleen™ Product (5 Gallon Pail) SK P/N: 6344 (inventory), 6344 (sales)

Additives

ArmaKleen M-Defoamer HD SK P/N 6310 (Pints – 8 per case)
 ArmaKleen M-RP (for added rust protection) SK P/N 6342 (5-gallon pail)



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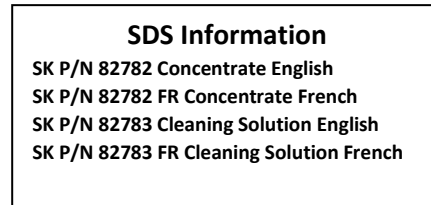
Soil Compatibility

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

Substrate Compatibility

Steel, aluminum, brass and copper.

Compliance Information



Titration Information

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

Procedure

1. Fill graduated cylinder with 7 mL of ArmaKleen MPC cleaning solution. The bottom curve of the solution should touch the top of the indicated line.
2. Pour the measured amount of cleaning solution from the graduated cylinder into the Erlenmeyer titration flask. Rinse the cylinder with 5-8 mL of water and transfer it to the same flask.
3. Add 5 drops of Bromocresol Green-Methyl Red Indicator Solution (small dropper bottle) to the flask and mix to produce a blue color. Clean water may be added to dirty solutions to see the color change more clearly. Several more drops of indicator solution may also be added if the solution is excessively dirty.
4. Carefully add 1.0N Sulfuric Acid (square dropper bottle) one drop at a time to the flask, swirling the flask after each drop. Count the number of drops.
5. When the solution changes to a greenish brown or tan color you are near the end point. Continue adding and counting the number of drops until the solution turns to a peach or bright pink color and the addition of an one more drop does not cause any further color change.
6. Use the titration table to find the cleaner concentration from the number of drops of acid used.
7. Wash the test solution down a sink with water. Rinse the graduated cylinder and mixing flask well before storing in the case.



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Cat.# 27501-00 Titration Guide Rev. 6, 9/10

TITRATION TABLE																						
% CLEANER CONCENTRATION																						
Cleaner	mls	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25
Sample		DROPS OF ACID REQUIRED FOR COLOR CHANGE																				
MPC	5	3	5	7	10	12	15	17	20	23	25	27	29	32	35	37	38	41	43	45	48	60

Precautions

ArmaKleen MPC will foam if used in a spray washer. MPC does not contain defoaming agents.

IMPORTANT: The information presented in this product labeling and literature, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, express or implied, is made regarding performance, stability or otherwise. Such information is not intended to be all-inclusive, and the manner and conditions of particular uses may involve other or additional preparatory, performance or safety considerations. While our technical personnel will be happy to respond to questions, safe, effective handling and use remains the responsibility of the user.