



## ARMAKLEEN™ Combo Cleaner

### Combination Spray, Immersion & Manual Aqueous Cleaner

### Product Information

#### General Description

ARMAKLEEN™ Combo Cleaner is a low foaming liquid cleaner designed specifically for the Safety-Kleen Model AQ-1 Aqueous Parts Cleaning Unit. The unique properties of ARMAKLEEN™ Combo Cleaner provide excellent low temperature cleaning performance in combination spray, immersion and manual cleaning applications. This product provides effective soil removal from most substrates and allows both ferrous and non-ferrous metals to be cleaned in the same parts washer. This innovative cleaning system, sold exclusively by Safety-Kleen, enables traditional solvent and aqueous sink-on-drum customers to automate their manual cleaning process and increase employee productivity.

When left on metal surfaces, ARMAKLEEN™ Combo Cleaner 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.



**NSF Registered:** ARMAKLEEN™ Combo Cleaner is acceptable for use as a general cleaner (A1) on all surfaces in and around food processing areas, where its use is not intended for direct food contact. Use of ARMAKLEEN™ Combo Cleaner in food processing or handling facilities requires that all food products and packaging materials be removed or protected prior to product use. A potable (drinkable) water rinse of cleaned surfaces is required after use of this product. When used at proper concentrations, ARMAKLEEN™ Combo Cleaner shall not exhibit a noticeable odor nor leave a visible residue.

<b><i>FEATURES</i></b>	<b><i>BENEFITS</i></b>
Low Temperature	Cleans effectively and is safe for manual cleaning
Low Foaming	Will not foam in spray applications as low as 100°F
Multi-Metal Safe	Can simultaneously clean steel and aluminum
Versatile	Effectively cleans in manual, spray 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

#### SK Part Numbers

**ARMAKLEEN™ Combo Cleaner (55 gallon drum) SK P/N: 6361**

**(5 gallon pail) SK P/N: 6362**

**EAC Service P/N: 98800 (ARMAKLEEN™ Combo Cleaner at 20%)**

**Equipment Sale P/N: 98000**

**COMS Service P/N: 52806**

## Operating Parameters

**Operating Temperature:** 100°F - 125 °F

**Operating Concentration:** 20%/volume

**pH Concentrate:** 11.8

**pH at 20%/volume:** 11.4

## Equipment Recommendation:

SK Model AQ-1 Aqueous Parts Cleaner

## Soil Compatibility

Grease, oil, lubricants, machining fluids, 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 820021 Cleaning Solution (English version)  
SK P/N 820022 Concentrate (English version)  
SK P/N TBD (French version)

**Machine Solution Label:** SK P/N 817325

## Titration Information

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

Follow the Titration Procedure on the laminated card included inside the Titration Kit. Use the Titration Table below to find the concentration of cleaner.

<b>ARMAKLEEN™ Titration Table</b>																						
ArmaKleen	SAMPLE mLs	% CLEANER CONCENTRATION																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25
		DROPS OF ACID REQUIRED FOR COLOR CHANGE																				
COMBO CLEANER	10	2	3	5	7	8	10	11	13	14	16	17	19	20	22	24	25	27	28	30	32	40

## 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)

## Precautions

Not intended for use in manual applications above 125°F as high heat can cause burns to skin.  
At temperatures below 100°F foaming can occur in spray washer applications.

*Updated September 2009*

*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.*