

METAL CLEANER 2

APPLICATIONS AND USE

MC-2 Concentrated solution is a biodegradable, phosphate and caustic-free alkaline cleaner formulated for general purpose and normal maintenance cleaning applications.

Liquid non-ionic surfactants and detergents are combined in a formulation with excellent detergent, wetting and free rinsing properties which provides exceptional performance for general maintenance cleaning in virtually all industries with virtually all base materials.

MC-2 is an ultrasonic cleaning solution, which removes oils and a variety of soils from ferrous metals, steel alloys, titanium alloys, copper alloys, and stainless steel. MC-2 is not recommended for aluminium or aluminium alloys. MC-2 will tolerate high levels of contamination. It is especially effective in removing fabricating oils, cuttings oils, and polishing oils.

MC-2 is an emulsifying cleaner: oils, soils, and greases are entrapped in the cleaning solution and suspended so they cannot redeposit on the clean parts. MC-2 contains a special blend of alkalis and detergents in addition to dispersants, deflocculents, and emulsifiers. The cleaning solution cleans rapidly, penetrating into blind holes and between adjacent surfaces.

APPLICATION PROCEDURES

MC-2 solution is easily mixed with cold or hot water in a concentration of 7-10% by volume. It can be used over a temperature range from room temperature to 130 - 180°F (82°C), and can be used in both tabletop and industrial cleaning tanks.

For optimum cleaning, MC-2 should be operated at recommended temperatures. Cleaning time is dictated by the quantity and nature of the soil. Operating MC-2 below the recommended concentrations, temperatures, or time will generally result in poor cleaner performance, characterized by cloudiness and water breaks. Operating MC-2 above the recommended parameters may lead to component metal attack or cause the surfactants to separate from the solution causing poor cleaning. It is imperative that the solution be allowed to "degas" at operating temperature for a minimum of 10 minutes prior to placing the parts into the cleaning solution. It is best if ultrasonic energy is applied during this time to enhance degassing. Thorough rinsing in one step must be undertaken for removal of cleaning solution. As with any process involving water, drying must be included as the final step.

CHEMICAL CHARACTERISTICS

Chemical Composition	Blend of liquid, non-ionic alkaline surfactants and detergents
Flash point	None
Recommended Diluent	Water
Biodegradable	Yes
Normal Use Concentration	7-10% by volume
Normal Use Temperature	130-180°F
PH at Rinse temperature	12.5
Rinsability	Good

See the MSDS for further information

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