

OXIDE REMOVER (OR)

APPLICATIONS AND USE

Oxide Remover, (OR) concentrated solution is a blend of detergents in an acidic carrier, which is phosphate-free and biodegradable.

This formulation has been developed to rapidly remove rust and oxides from many metals. It is used in cleaning and reconditioning relay and switch contacts, removing oxides that result from assembly operations utilizing soldering, brazing or welding and similar applications. It can also be effective on ferrous materials for removing surface oxides resulting from storage.

Although the solution may etch or attack reactive metals, it is especially effective with stainless steel, copper and tin components.

APPLICATION PROCEDURES

OR solution is readily mixed in a concentration of 6-7% by volume and can be used at solution temperatures of up to 120F (48°C) in cleaning tanks. Optimum performance will be realized at this elevated solution temperature.

Cleaning tanks, heating coils and related components should be fabricated from stainless steel or other materials capable of withstanding acidic solutions.

For optimum cleaning, OR should be operated at recommended temperatures. Cleaning time is dictated by the quantity and nature of the soil. Operating OR below the recommended concentrations, temperatures or time will generally result in poor cleaning performance, characterized by cloudiness and water breaks. Operating OR 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.

The selection and use of the proper ultrasonic cleaning equipment and component fixturing will influence the cleaning efficiency and performance of OR

CHEMICAL CHARACTERISTICS

Chemical Composition	Blend of detergents in an acidic carrier
Flash point	None
Recommended diluent	Water
Biodegradable	Yes
Normal Use Concentration	6-7% by volume
Normal Use Temperature	70-120°F
PH at Rinse temperature	3.8
Rinsability	Good

See the MSDS for further information

CRYSTAL ELECTRONICS INC

2-1251 Gorham St. Newmarket, ON L3Y 8Y6
TEL (905) 953-9129 TOLL FREE 1- 866 669-9728