

5-8 Malton Court, Altona Victoria, 3018 P.O. Box 164, Altona Victoria, 3018 Telephone: (03) 9398 4444 Web: www.advancechemicals.com.au Email: info@advancechemicals.com.au

ADBRIGHT R63

Passivating agent for stainless steel and rust remover

Passivation is the treatment of the surface of stainless steels to remove contaminants and promote the formation of the passive film to protect against corrosion.

ADBRIGHT R63 is environmentally friendly and is based on low toxicity materials. It is free of chromium and nitric acid. It is suitable for use with food and pharmaceutical manufacturing equipment made from a wide range of stainless steels including 304 and 316 grades.

ADBRIGHT R63 is also suitable for the passivification of Titainium and its alloys. It removes rust from steel and stainless steel.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Colourless liquid with a low odour	
рН	3- 4	
Density	1.1	
Boiling Point	>100°C	
Freezing Point	<0°C	
Foaming	Low	

DIRECTIONS FOR USE:

ADBRIGHT R63 can be used in immersion or CIP operations. Equipment should be rinsed with water after cleaning.

Application Method	Concentration	Time	Temperature
Immersion	20%	30-120 min.	30-70°C
Recirculation cleaning	20%	15-60 min	50-70°C
Spray cleaning	20%	5-20 min	50-70°C

A specific application for thorough CIP cleaning is:

- 1. Clean with 5% Sodium Hydroxide by circulating at 80C or above for 1 hour.
- 2. Rinse with purified water until the conductivity is below 50 uS/cm.
- 3. Clean with a 25% solution of Adbrite R61 at a temperature of 80C or above for 1 hour.
- 4. Passivate with Adbright R63 at 80C or above for 1 hour.
- 5. Rinse with purified water until the conductivity is below 2.7 uS/cm.

Spraying provides better surface contact and helps remove surface contamination as copared to dipping. As a rough guide spraying times can be about one third shorter than dipping times.

Temperature is also important. A 10°C rise in temperature will generally double the speed of a chemical reaction time.

Concentration is also important. Higher concentrations generally need shorter times, but not always.

RINSE ALL FOOD CONTACTING SURFACES WITH POTABLE WATER AFTER USE.

The above are general operating parameters only as subsequent rinsing and treatment will depend on the actual application.