



INDUSTRIAL COATINGS

# CHEMSEAL 6

## A NON-CHROME FINAL RINSE

### PRIMARY APPLICATION:

**CHEMSEAL 6** is a non-chromate liquid material that is used as final acidulated rinse after CHEMFOS® zinc phosphate or iron phosphate operations.

### ADVANTAGES:

**CHEMSEAL 6** has been formulated to provide improved adhesion and added corrosion protection on galvanized, cold rolled steel and aluminum substrates. **CHEMSEAL 6** has the added benefit that no heating apparatus is needed since **CHEMSEAL 6** can be used at ambient temperatures.

### TECHNICAL PROPERTIES:

Composition:	Liquid
Appearance:	Orange Color
Odor:	Mildly Acidic
Specific Gravity @ 60°F.	1.13
Pounds Per Gallon:	9.41
Flash Point:	None
Foaming Tendency:	Low
Recommended Diluent:	Water
Behavior in Hard Water:	Good
Rinsability:	Good
Biodegradable Surfactants:	N/A
Recommended Concentrations:	1/4-1/2 Pint per 100 Gallons
Recommended Temperatures:	Ambient - 150°F.
pH (working solution)	5.3 - 5.8

## USE & CONTROL INSTRUCTIONS:

CONCENTRATION: 1/4 - 1/2 PINT / 100 GALLONS  
TEMPERATURE: AMBIENT - 150°F  
TIME: 30 SECONDS MINIMUM

### BATH MAKE-UP

Add **CHEMSEAL 6** to bath slowly while agitating until pH is between 5.3-5.8. The exact amount will depend on the hardness of the water used. Check the total acid with the following test method.

### CONTROL PROCEDURES

1. Using a 25 ml pipette, transfer the 25 ml into a clean, dry 150 ml beaker.
2. Add 3-5 drops of Chemfil INDICATOR #5 (Phenolphthalein).
3. Titrate with TEST SOLUTION #3 (0.1N Sodium Hydroxide) until a permanent pink color appears.
4. Record the number of mls of TEST SOLUTION #3 as the total acid.
5. Maintain the total acid between 0.3-1.5.
6. The pH should be maintained between 5.3-5.8. It is important that the pH does not fall below pH 3.8.

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### ***Precautions:***

Consult the most recent Material Safety Data Sheet for health and safety information relative to the handling and storage of this material.

Emergency 24 hour Chemtrec number: 800.424.9300

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