

ACCU-LABS INC.

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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

KSN ZINC CHROMATE SEALER

ACCU-LABS KSN is a non-hazardous, environmentally safe sealer used to increase the corrosion protection of chromated zinc parts. **ACCU-LABS KSN** has been specially formulated for ACCU-LABS' trivalent chromate products. **ACCU-LABS KSN** is economical to use, since low concentrations provide maximum corrosion protection. **ACCU-LABS KSN** is a low viscosity solution that leaves a clear transparent film on the finished part.

ACCU-LABS KSN will increase the corrosion protection of chromated zinc parts by 50-250 hours of salt spray, depending on the type of application and chromate. **ACCU-LABS KSN** can be applied to a wide range of chromate and passivate coatings used with zinc, zinc alloy, and cadmium electroplated parts. **ACCU-LABS KSN** can also be used as a leachant/sealant coating for most heavy iridescent-yellow chromates and passivates.

FEATURES:

- Easy and economical to use concentrated formulation
- Superior added corrosion protection to most chromates and trivalent passivates
- No expensive license requirements
- Environmentally friendly hex-chrome free protection for trivalent passivates
- Can be used with UV tracer dyes for positive identification
- Excellent for rack or barrel applications
- Meets requirements for automotive specs requiring superior hex-chrome free coatings

OPERATING GUIDELINES:

Concentration	2-7% (4% optimum)
Time	5-45 seconds (15 seconds typical)
Temperature	75-150°F
pH	10.5-11.5 (11.0 optimum)

Note: When used for leach-seal coating heavy film chromates, **ACCU-LABS KSN** can be used at concentrations up to 10% by volume and longer immersion times.

TYPICAL CYCLE:

1. Rinse zinc plated part.
2. Dip in chromate bath.
3. Rinse.
4. Dip in **ACCU-LABS KSN** solution.
5. Force air dry.

ANALYTICAL CONTROL

The following procedure can be used to optimize the **ACCU-LABS KSN** concentration in the bath.

1. Pipette a 20 ml sample of working bath into an Erlenmeyer flask.
2. Add 3-6drops of Bromocresol purple indicator to the flask.
3. Titrate with 1.0N hydrochloric acid to a colorless endpoint.

Calculation = mls of 1.0N hydrochloric acid x 1.26 = % **ACCU-LABS KSN**

pH range is 10.5-11.5 Increase pH of working bath with additions of **ACCU-LABS KSN**.

EQUIPMENT

Polypropylene, PVC, carbon steel and stainless steel tanks and heaters may be used.

CAUTION:

ACCU-LABS KSN contains alkaline ingredients that are corrosive to skin and eyes. Always wear eye and personal protective gear when working with or handling this product; avoid contact with skin and eyes. Consult MSDS before using

Notice of Disclaimer:

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