



K-TECH TRI-H HI TOP (YELLOW SEALER) ***CHROMATED ZINC ELECTROPLATE - HIGH PERFORMANCE HYBRID SEALER***

- ✚ There will be no supplementary equipment needed as this is used as a final rinse and it provides remarkable oxidization protection.
- ✚ Specifically engineered to work with K-Tech Tri Yellow 120 but can also be used with other clear chromate K-Tech Tri Blue 12, K-Tech Tri Blue 48 and K-Tech Hi Cor 250 to get double salt spray protection.
- ✚ It operates at room temperature up to 100° F (37° C) with very low viscosity that generates thin coatings. This makes it appropriate for both barrel and rack procedures.
- ✚ With this thin-uniform layer topcoat, the parts developed in K-Tech Tri-H Hi Top (Yellow Sealer) will resist humidity and supply excellent corrosion protection that performs as a water repellent wall from the salt spray mist.

COMMON OPERATING INFORMATION

	RANGE	RECOMMENDED
SOLUTION MAKEUP	5% to 15% by volume	10% by volume
TEMPERATURE	70° F to 100° F (21° to 37° C)	80° F (26° C)
DIP TIME	10 to 40 seconds	20 seconds
pH	10.5 to 12.0	11.0

TITRATION METHOD

1. Take 5ml of working K-Tech Tri-H Hi Top (Yellow Sealer) solution.
2. Add 50 ml of water.
3. Add a few drops of phenolphthalein indicator.
4. Titrate with 1.0N Sodium Hydroxide solution from a pink solution to colorless endpoint.

⚡ FACTOR: **MLS. 1.0N HYDROCHLORIC ACID X 0.708 = % BY VOLUME OF K-TECH TRI-H HI TOP (YELLOW SEALER)** ⚡

SYSTEMATIC PROCESS - PERCENTAGE SOLIDS METHOD

Process:

1. Document the weight of an empty beaker with 100ml or greater capability.
2. Using a graduated cylinder, add 50ml of the K-Tech Tri-H Hi Top (Yellow Sealer) working solution.
3. Let solution heat up to 230° F (110 °C) until all water evaporated.
4. Set aside beaker to cool.
5. The dried K-Tech Tri-H Hi Top (Yellow Sealer) weight of the beaker should be recorded.
6. Original recorded weight of beaker (1) should be subtracted from the final weight (5).
7. For concentration, please refer to the chart as followed:

K-Tech Tri-H Hi Top (Yellow Sealer) (%) Solids Test

Percent (%)	50ml
30% K-Tech Tri-H Hi Top	6.6 g
25% K-Tech Tri-H Hi Top	5.5 g
20% K-Tech Tri-H Hi Top	4.4 g
15% K-Tech Tri-H Hi Top	3.3 g
10% K-Tech Tri-H Hi Top	2.2 g
5% K-Tech Tri-H Hi Top	1.1 g

HELPFUL HINTS

- When measuring pH, ensure the usage of a calibrated pH meter with a 1.0 standard. Do note that in general, pH paper will give a reading of 0.5 units higher than the actual reading.

CURING OF K-TECH TRI-H HI TOP FILM (YELLOW SEALER) (PRIOR TO SALT SPRAY TEST)

Before the salt spray testing, K-Tech Tri-H Hi Top (Yellow Sealer) film on plated parts should cure or age at ambient temperatures between 48 to 72 hours (for best corrosion protection).

STORAGE AND HANDLING

K-TECH TRI-H HI TOP (YELLOW SEALER) contains alkaline elements that are corrosive to eyes and skin. It is a necessity to use preventive care such as chemical goggles, solid rubber gloves, boots and aprons. In the event of accidental contact, flush with plenty of water immediately and remove contaminated apparels. As for eye contact, immediately flush fresh water for at least 15 minutes and contact the medical group instantly. Do not breathe the steam and mists.

Additional Information:

FREEZABILITY: If freezing is required, it should take place during the period of the storage or transportation. However, like most chemical products, it would be best to avoid freezing.

- If K-TECH TRI-H HI TOP (YELLOW SEALER) is frozen, before usage, do defrost the product to 70° to 75°F (21° to 24°C). The product should be mix thoroughly until precipitates are totally liquefied to its original form.

EQUIPMENT

Carbon/stainless steel, PVC or rubber lined steel, or polypropylene should be used for assembling the chromate tanks. Usage of the mild steel heating coils is suggested when using steam as the heating source. Conversely, usage of plain steel application heater would be recommended for electric heating source.
(Note: Quartz heater is not a recommended source).

NON-WARRANTY

Keane Chemical LLC believes that all the information listed on this sheet is complete, factual and precise. However, there will be no guarantee that the outcome acquired by the customer will be as listed in this sheet given that the ultimate process of usage will be fully utilized by the customer and out of our authority. Therefore, we will not claim any liability on the handling of this product by the customer in any case which may violate the patents of the third parties.