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NiCOL™ BOOSTER 1

ADDITIVE FOR NICKEL PLATING BATHS TECHNICAL DATA 3-17-15

NiCOL BOOSTER 1 ADDITIVE FOR NON INDEX NICKEL PLATING BATHS

- NiCOL BOOSTER 1 is designed for Non-Index nickel plating baths.
- NiCOL BOOSTER 1 is an additive to boost leveling.
- NiCOL BOOSTER 1 can be used either as a one- time addition or through maintenance additions.

Solution Composition

	<u>Optimum</u>	<u>Range</u>
NiCOL BOOSTER 1	0.05%/vol (0.5 ml/Liter)	0.025 - 0.2%/vol (0.25 - 2.0 ml/Liter)

NiCOL BOOSTER 1- is highly concentrated, make additions to hull cell before adding to tank and only add enough to correct leveling needed. Large additions can adversely affect ductility and LCD coverage.

HANDLING & STORAGE

NiCOL additives can produce temporary irritation when they come into contact with the skin. Therefore, care should be taken to prevent accidental eye and skin contact. Rubber gloves, a rubber apron, and protective goggles should be worn when handling NiCOL additives. In case of contact, immediately flush with copious amounts of water and scrub well with soap and water. NiCOL additives are stable on standing and have a shelf life in excess of two years.

FREEZABILITY: As with most chemical products, it is preferable that freezing be avoided. However, if freezing should occur during transportation or storage, directions for handling the products covered in this technical data sheet are as follows:

If NiCOL BOOSTER 1 freezes, simply allow the container to completely thaw and bring to room temperature of 70° - 75°F/ 21° - 24°C. Thoroughly mix to bring back to original condition.

NON-WARRANTY

The data in this bulletin is believed by Columbia Chemical Corp. to be accurate, true and complete. Since, however final methods of use of this product are in the hands of the end-user and beyond our control, we cannot guarantee that the end-user will obtain the results described in this bulletin, nor can we assume any responsibility of the use of this product by the end-user in any process which may infringe the patents of third parties.