



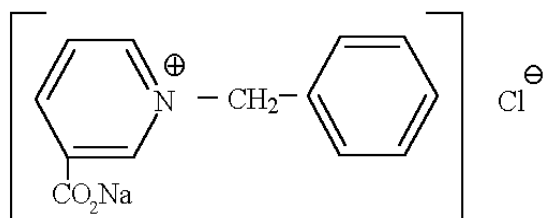
1000 Western Drive
Brunswick, OH 44212
PHONE: 330-225-3200
FAX: 330-225-1499
www.columbiachemical.com

QUATERNARY B-1

TECHNICAL DATA
01-13-2022

QUATERNARY B-1 COMPONENT FOR CYANIDE ZINC BRIGHTENER

STRUCTURE:



OPERATING PARAMETERS

Empirical Formula:	C ₁₃ H ₁₁ ClNNaO ₂
CAS Number:	68133-60-8
CAS Nomenclature:	Pyridinium, 3-carboxy-1-(phenylmethyl)-chloride, sodium salt
Appearance:	Brown aqueous solution
Assay:	42% minimum
pH:	6.0 - 7.0
Specific Gravity:	1.16 at 22°C.
Application:	Carrier brightener for cyanide zinc plating. Produces leveling and basic deposit brightness over a broad current density range.
Suggested Additions:	Use at 0.1 - 15 ml per liter of cyanide zinc plating solution. Can be used in conjunction with Columbia COPOLYMER E/I, COPOLYMER H-1, COPOLYMER A-1 and COPOLYMER A-20.

HANDLING & STORAGE

Columbia Chemical recommends referring to the specific product Safety Data Sheets for safety, handling, and storage precautions.

NON-WARRANTY

The data contained 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 customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin, nor can we assume responsibility of the use of this product by the customer in any process which may infringe the patents of third parties.

