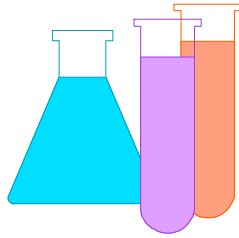


HSC

Howard Supply Company, Inc.



**TECHNICAL BULLETIN
#17 GP ELECTRO CLEANER**

#17 GP ELECTRO CLEANER IS A UNIQUE BLEND OF CHEMICALS FORMULATED FOR HEAVY-DUTY CLEANING OF STEEL PARTS TO REMOVE SMUT AND OILS BEFORE ELECTROPLATING. IT IS AN OFF-WHITE, GRANULAR PRODUCT, HIGHLY ALKALINE, AND HAS A LONG TANK LIFE. HERE ARE GUIDELINES FOR USING #14 GP ELECTRO CLEANER:

***CONCENTRATION.....6-12 O.P.G.
TEMPERATURE.....100-180 DEGREES F.
TIME.....1-5 MINUTES
CURRENT DENSITY.....25-100 A.S.F.***

TO START, FILL TANK HALFWAY WITH WATER. HEAT TO ABOUT 100 DEGREES F. AGITATE WITH AIR OR MECHANICAL MEANS WHILE ADDING REQUIRED AMOUNT OF CLEANER. THEN, FILL TANK TO OPERATING LEVEL AND HEAT TO DESIRED OPERATING TEMPERATURE.

CARE SHOULD BE USED WHEN HANDLING THIS MATERIAL, AS IT IS HIGHLY ALKALINE. PROTECTIVE EQUIPMENT SHOULD BE WORN WHEN HANDLING.

TITRATION FACTOR FOR 10 ML SAMPLE IS **.74**. TITRATION FACTOR FOR KOCOUR KIT IS **.51**.