

Howard Supply Company, Inc.



TECHNICAL BULLETIN ACID SALTS #15

THIS IS A DRY POWDERED ACID SALT FOR ACTIVATING AND PICKLING. IT CAN BE USED ON MOST METALS TO BRIGHTEN THE SURFACE AND REMOVE SCALE AND OXIDES TO PROVIDE A CLEAN, BRIGHT SURFACE FOR PLATING OR OTHER FINISHING. IT CAN REMOVE WELDING AND OXIDE SCALE MORE RAPIDLY AT TEMPERATURES UP TO 140 DEGREES F. CARBON OR PLASTIC HEATERS ARE RECOMMENDED IF HEAT IS DESIRED.

DIRECT CURRENT WILL MORE RAPIDLY REMOVE SCALE IF HEAT IS NOT AVAILABLE OR UNDESIRABLE. USUALLY SIX VOLTS IS THE CURRENT USED FOR ONE HALF TO TWO MINUTES. CARBON OR LEAD ANODES CAN BE USED. THE COMBINATION OF HEAT AND DIRECT CURRENT WILL GIVE THE FASTEST RESULTS FOR SEVERE BURNED-ON SCALE AND OXIDES.

ACID SALTS #15 CAN BE USED AT CONCENTRATIONS FROM EIGHT OUNCES TO TWO POUNDS PER GALLON DEPENDING ON THE CONDITION OF THE METAL BEING PROCESSED. NICKEL PLATED ARTICLES CAN BE ACTIVATED AND REPLATED WITH NICKEL OR CHROME IN MOST CASES. THIS CAN BE DONE AFTER OLD CHROME HAS BEEN REMOVED AND PARTS HAVE BEEN ACTIVATED IN ACID SALTS #15.

EASE OF HANDLING AND NO CARBOY DEPOSIT MAKE THIS PRODUCT MORE DESIRABLE TO REPLACE LIQUID ACIDS. TANK SHOULD BE LINED WITH A SUITABLE MATERIAL SUCH AS KOROSEAL, RUBBER, PVC OR OTHER PLASTIC MATERIALS. VENTILATION IS OPTIONAL. IF HEAT IS USED, KARBATE OR TEFLON HEATERS ARE PREFERRED AS FLOURIDS IN MATERIAL MAY ATTACK OTHER TYPES.

IF POSSIBLE, USE WARM WATER FOR MAKE-UP AND SOME KIND OF AGITATION TO DISSOLVE ALL THE SALTS. PROTECTIVE EQUIPMENT SHOULD BE WORN WHEN HANDLING THIS PRODUCT AS USED WHEN HANDLING LIQUID ACIDS.