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Instruction Sheet Chromating Salt Blue (475B)

Blue Zinc Passivating salt 475B provide low cost chemical bright dip for bright zinc coated components and produce an attractive bright, light blue, iridescent free, passivated film of medium corrosion resistance.

Solution Composition:

Passivating Salt 475B	=	3-4 Gms
Pure Nitric Acid (70%)	=	12-18 ml
Water	=	to 1 liter

Preparation of Solution:

Fill the tank with $\frac{3}{4}$ of working volume with clean cold water (preferably de-ionized water) and add required volume of nitric acid with stirring. Add passivating salt 475B and make-up the solution to the working volume.

Equipment:

The tank should be of molded PE or PP, or made of steel with glass-reinforced fiber lining, or PVC lining.

Operating Conditions:

Working temperature: Ambient. However under extreme cold conditions (Less than 10°C) the temperature should be maintained above 10°C by titanium immersion heaters.

PH: 1.0 to 1.8

Immersion Time: 5 to 15 seconds.

Solution Maintenance:

The solution can be maintained by the addition of Nitric Acid by 1ml/Liter of solution. If the blue color begins to fade while the pH of solution is between 1.0 and 1.8, addition of 1-2gms/Liter of 475B will be beneficial.

When the zinc content in the working solution reaches at its maximum level, addition of salt or Acid (or both) will not benefit. Discard the solution and prepare new solution.

Ecology

Used solutions of 475B and its rinsing waters have to be treated and disposed corresponding to national and local regulations. 475B itself is highly hazardous for water, Water Hazard Class 3 (self-assessment).

Product Safety

475B is subject to classification according to General EC Classification Guidelines for Preparations.

Hazard Symbol/Designation: T-toxic, O-oxidising, C-corrosive

Please consult also the EC safety data sheet.

Guarantee

Our guarantee extends to the continuous quality of our products as they leave our factory and not to their usage in the field. Our technical service will be pleased to answer any question you may have concerning operation and use of our products: