ANODAL® MS-1 NEW LIQUID

Anodal MS-1 New Liquid is a nickel based seal concentrate that will provide a quality seal using mid-temperature conditions. This product is compatible with Anodal MS-1A liquid, a surfactant package that, as the bath ages, can be added in small amounts to avoid the onset of seal smut formation. Coatings sealed with Anodal MS-1 New in accordance with recommended practices will meet or exceed specified requirements using the following ASTM test methods: B136, B117, B457, & B680.

- Excellent Salt Spray Resistance.
- Non-Yellowing
- Smut-free surface when applied to properly formed coating.
- Suitable for all types of anodic coatings.

PHYSICAL PROPERTIES:
Specific gravity: 1.08 (9.0 lbs/gallon)

APPLICATION DETAILS:
Concentration: 1.5 - 2.5 vol% (or higher)
Temperature: 160° - 190° F.
pH range: 5.3 - 5.8 (extend time for lower pH)
Immersion Time: 5 - 20 minutes
Filtration: Recommended

CONTROL PROCEDURE:
1. Pipette a 25 ml. sample from the sealing tank into a 250 ml flask.
2. Add 50 ml of de-ionized water.
3. Add 15 ml of Concentrated Ammonium Hydroxide.
4. Add a few grains of Murexide indicator.
5. Titrate with 0.1M EDTA to a permanent purple-violet color.

Calculate: \[
\text{Anodal MS-1 New (\% v/v) = Volume of EDTA x 0.71}
\]