



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: **Anodal MS-1 New (% v/v) = Volume of EDTA x 0.71**

Recommendations, notices or instructions as to handling, use, storage or disposal of this product, including its use alone or in combination with other products, or as to any apparatus or process for its use are based upon information believed to be reliable. No liability is taken with respect to any such recommendations or instructions. Sole and exclusive warranty is that products comply with published chemical and physical specifications as provided on the certificate of analysis. No other warranties, either express or implied are given.