



ANODAL® DEOX ADDITIVE LIQUID

Anodal DEOX Additive Liquid requires only the addition of nitric acid to form a long life, non-chromated desmut/deoxidizer. For the exceptions of high silicon castings *Anodal Deox Additive* is suitable for almost all aluminum alloys including the copper and zinc bearing types. This product is generally recommended for job shops and bright dip operations.

PHYSICAL PROPERTIES:

Appearance: Clear dark orange liquid
Specific gravity: 1.43 (12 lb/gallon)

APPLICATION DETAILS:

Concentration: 1-2% vol with 2-3% vol nitric acid
(1.5% & 3.0% optimal)
Temperature: Ambient (above 70 degrees)
Equipment: Stainless steel, or plastic
Agitation: Air strongly recommended

CONTROL METHOD:

The deox bath is most easily controlled by titrating the combined level of acid. When making an addition of nitric acid, add half the volume of *Anodal Deox Additive liquid* to maintain the proper balance.

1. Pipette 25 ml sample of deox bath into a 250 ml beaker.
2. Add approximately 50 ml of water.
3. Add 2 - 3 drops of phenolphthalein indicator and about 3g sodium gluconate
4. Titrate to a red end point with 1.0N sodium hydroxide.

Calculation: **% vol Nitric Acid = ml NaOH x 0.25**

PRECAUTIONS:

Anodal Deox Additive Liquid contains a mineral acid. Face Shield, protective gloves and proper apparel should be worn when handling. Due to the highly concentrated nature of this product, crystallization and drum sedimentation may occur. Precipitated product can be re-dissolved and added to the process tank.

WASTE DISPOSAL:

Anodal DEOX Additive Liquid does not contain chromium. Solutions and rinse water are acidic and must be pH adjusted to meet local ordinance standards prior to disposal. Check with your local authorities for additional details.

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.