



innovative chemical technologies, inc.

## **FLEXISORB AN-557**

### **TECHNICAL DATA SHEET**

- ◆ **Acid Replacement Technology**
- ◆ **Low Corrosion Replacement For Conventional Acids Including: Sulfuric, Phosphoric, Sulfamic, Acetic, Glycolic**
- ◆ **No Heat Of Dilution**
- ◆ **Non Fuming**
- ◆ **Phosphate Free**
- ◆ **Contains No VOCs**
- ◆ **Low BOD And COD**
- ◆ **Safer To Handle Than Many Conventional Acids**
- ◆ **Sub-One pH Makes pH Reduction Quick And Easy**

### **APPLICATIONS**

- ◆ **Economical And Efficient pH Adjustment Tool**
- ◆ **Acid Cleaners**
- ◆ **Low pH Solubilizers**
- ◆ **Concrete And Masonry Preparation**
- ◆ **Effluorescence Removers**
- ◆ **Ammonia Neutralizer For Livestock And Poultry Wastes**
- ◆ **Leather Manufacturing**

## **TECHNICAL INFORMATION**

Flexisorb AN-557 is an acid replacement product based on an inhibited urea sulfate solution. This product provides extraordinary pH reduction without many of the safety and handling concerns of most conventional acids. Flexisorb AN-557 effectively replaces Sulfuric Acid in most applications; however, it has very low corrosivity, has zero heat of dilution, can be mixed into water or have water mixed into it, and does not fume. Compared to acetic acid, it is VOC free. Phosphate free acid cleaners can be formulated with this product.

Agricultural applications: Flexisorb AN-557 may be used as an ammonia neutralizer for animal excrement waste streams or in poultry houses and livestock yards. It is also useful as an acid fertilizer to add sulfur and nitrogen as well as acidity. Flexisorb AN-557 is an excellent choice for acid fruit washes for citrus fruit.

## **TYPICAL PROPERTIES**

Appearance	Clear, colorless to pale yellow liquid
Density @ 25C	1.54 +/- 0.02 g/ml (12.8 lbs/gal)
pH	Less Than 1.0
Normality	16.4 +/- 0.2
Solids	85%
Water Solubility	Soluble
Boiling Point	100 C
Odor	Mild

## **PACKAGING/HANDLING**

Flexisorb AN-557 is available in 275 gallon totes (Net Wt. 3000 lbs), 55 gallon drums (Net Wt. 600 lbs) and 5 gallon pails (Net Wt. 50 lbs).

DOT Classification is Non Regulated For Ground Transportation