



# Flexisorb™ AN-557

Lower Corrosion Acid Replacement

## Overview

- Lower corrosion replacement for conventional acids including:
  - sulfuric
  - phosphoric
  - sulfamic
  - acetic
  - glycolic
- Used in Hard Surface Cleaners for improved cleaning of hard water stains and build-up
- No heat of dilution (non-exothermic)
- Low fuming
- Phosphate-free
- Low BOD and COD
- Safer to handle than many conventional acids
- pH of < 1.0 for quick and easy pH reduction

## Applications

- Acidic Hard Surface Cleaners
- Bathroom, toilet bowl, tub and tile cleaners
- Economical and efficient pH adjustment
- Low pH solubilizer
- Concrete and masonry preparation
- Efflorescence remover
- Scale removal
- Ammonia neutralizer for livestock and poultry wastes

## Technical Information

Flexisorb AN-557 is a lower corrosion option for replacing conventional acids. It is based on an inhibited urea sulfate solution. This product provides excellent pH reduction, and it offers a reduced risk and easier-to-handle alternative to several strong acids.

## Formulary

Flexisorb AN-557 effectively replaces sulfuric acid in most applications. It has very low corrosivity, has zero heat of dilution, and can be mixed into water or have water mixed into it. Flexisorb AN-557 does not fume. Phosphate-free acid cleaners can be formulated using this product.

As with all acid products, care should be taken to avoid prolonged contact with certain ornamental metal fixtures in order to prevent damage or discoloration. Limit surface exposure and fully rinse surfaces after use. Do not use on polished marble or other acid-sensitive surfaces.

## Typical Properties

PROPERTY	VALUE
Appearance	Clear, colorless to straw-colored liquid
Odor	Mild
pH	< 1.0
Water solubility	Soluble
Ionic character	Anionic
Normality	15.8 to 16.2
Density@25°C	1.52-1.56 g/ml
Boiling Point	100°C
Flash point	> 93°C
Storage	Stable to freezing
Shelf life	12 months

## Packaging and Handling

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

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Corrosive (refer to the SDS for additional information).

Whether you are looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition. Please feel free to contact us.

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