

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

# UREA SULFURIC ACID, INHIBITED

## Safe Acid

### General Description

**UREA SULFURIC ACID** is an acid replacement product based on urea sulfate. This product provides excellent pH reduction with virtually none of the safety and handling concerns of Sulfuric Acid and many other acids. **UREA SULFURIC ACID** effectively replaces Sulfuric Acid in most applications; however, it has very low corrosivity and has little to no heat of dilution. **UREA SULFURIC ACID** 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.

When used in agricultural applications, **UREA SULFURIC ACID** can 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 in drip irrigation systems. **UREA SULFURIC ACID** is an excellent choice for acid fruit washes for citrus fruit. **UREA SULFURIC ACID** is phosphate free, biodegradable and contains no VOCs.

### Application

**UREA SULFURIC ACID** should be diluted to appropriate dilutions predicated on the job application.

### Physical Properties

|                   |   |
|-------------------|---|
| Appearance / Odor | Clear to Amber colored Liquid / Mild Odor |
| Density @ 25C     | 1.53 – 1.56                               |
| pH                | Less Than 1.0                             |
| Solids            | 80 - 85%                                  |
| Water Solubility  | Soluble                                   |
| Boiling Point     | ~ 212F                                    |

### Availability

**UREA SULFURIC ACID** is available in UN approved 5 gallon pails, 55 gallon drums and bulk tanks.

### Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.