

PERFORMANCE FEATURES

- Dye fixative
- Coagulant for waste treatment

MARKET USES

- Textile dyeing
- Waste treatment

Product Description

Ulterion[®] 3050 is a high molecular weight, highly cationic liquid polyamine coagulant that effectively replaces, or significantly reduces, the need for primary inorganic metal salts in water or waste treatment. It is effective over the pH range of 1 to 12.

Typical Properties

Appearance	Amber Liquid
Specific Gravity at 25°C	1.14-1.18
Viscosity* as Supplied at 25°C	5000-9000 cps
pH of 1.0% Solution at 25°C	4.0 – 5.0
Solubility in Water	Infinite
Freeze Point	20°F (-7°C)
Shelf Life at 25°C	1 Year
*Brookfield LVT, 30 rpm, Spindle #1	

Application Methods

Ulterion[®] 3050 is used as a primary coagulant in all types of solid-liquid separation processes for clarification in water and waste treatment and mineral processing applications. It is effective in the removal of color and turbidity from water and can be used alone or in conjunction with an organic polymer flocculant. It is approved by **NFS** for use in potable water at dosages up to 20 ppm.

Depending on the application, the following dosage levels are recommended:

Water and Waste Treatment	
Settling	0.2 to 3 ppm
Thickening	1.0 to 10 ppm
Filtration	0.1 to 0.5 ppm

Mineral Processing	
Settling/Thickening	0.05 to 1. lbs/ton
Dewatering	0.5 to 5 lbs/ton

Solutions of *Ulterion[®] 3050* can be fed directly to the system using in-line dilution with water to 1% or less. Use of a corrosion resistant pump is recommended. Addition should be made at a point of high turbulence for rapid mixing followed by maximum contact time before settling.

Handling / Storage Stability

Ulterion[®] 3050 should be stored in a heated building, 5°-35°C (40°- 95°F). If frozen, the product should be allowed to thaw completely and agitated prior to use. Storage in stainless steel, plastic or epoxy-lined steel is recommended. Mild steel, iron, aluminum and copper are to be avoided in both storage and feed equipment. Spills should be wiped up with an absorbent material and then washed down with water.

Product Safety

Toxicity is low, but normal precautionary clothing should be worn when handling this material. When considering the use of **Ulterion International** products, please refer to the latest Material Safety Data Sheets (MSDS) and ensure that the intended use can be accomplished safely. If you require an MSDS for this product, please call (706) 654-2222 or your **Ulterion International Representative**.

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