## **Product Literature**





# 5-Lithiosulfoisophthalic Acid



#### **Product Description:**

FutureChem<sup>®</sup> LiSIPA is a high melting, water-soluble white solid used as an additive in polyester and polyamide applications.

## **Applications:**

- Monomer for waterborne polyesters
- Monomer for nylon fibers
- Polyurethane urea polymers
- Component for resins used in paints

### **Availability:**

- 100 kg fiber drums
- 350 kg bulk bags
- 700 kg bulk bags

#### For More Information:

FutureFuel Chemical Company
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2800 Gap Road
Batesville, Arkansas 72503
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Fax (870) 698-3095
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Physical Properties	
Property, Unit	Value
Formula	C <sub>8</sub> H <sub>5</sub> LiO <sub>7</sub> S
Molecular Weight, g/mol	252.13
CAS Number	[46728-75-0]
Appearance	Free flowing crystalline solid
Color	White to off-white
Melting Point, °C	>300
Absorptivity @ 450 nm, mL/g cm	0.3
Density, lb/gal	1.8
Odor	Essentially odorless
pH , 10% aqueous solution	1.8
Water, %	7.3
Acidity as Oxalic Acid, wt%	0.08
Typical Specifications (Data is representative of average lots; data taken from specific lots may vary.)	
Assay, %	≥91.0
Sulfate, % as SO <sub>4</sub>	≤0.40
Iron, ppm	≤5.0
Acidity, % as H₂SO₄	≤0.20
Absorptivity @ 400 nm, mL/g cm (15% in water)	≤0.33
Solubility (35% in water)	No solids
APHA Color (5% in water)	≤40

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Appearance (15% in water)

FutureFuel Chemical Company

Clear solution