



FutureChem® LiSIPA

Product Stewardship Summary

Chemical Identification

- Chemical Abstract Service (CAS) Number: 46728-75-0
- Product Name: 5-Lithiosulfoisophthalic Acid

Description of LiSIPA

FutureChem® LiSIPA is a water-soluble chemical intermediate used as an additive in polyester and polyamide applications.

Properties of LiSIPA

Property	Value
Form	Solid (crystalline)
Color	White to off-white
Odor	Essentially Odorless
Melting/Boiling Point	>300°C
Flashpoint	Not applicable
Solubility (in water)	Appreciable
Stability	Stable under normal conditions. Can decompose at elevated temperatures.
Reactivity	Stable and non-reactive under normal conditions

Exposure Potential of LiSIPA

Workplace exposure:

This product contains no substances with occupational exposure limit values. In an industrial setting, containment through engineering, institutional controls, and personal protective equipment are utilized to minimize exposure. Normal safe handling procedures should be used in the workplace. Workers should follow recommendations of the Safety Data Sheet (SDS). Employees should be trained in the appropriate work processes and safety equipment to limit exposure.

Consumer exposure:

FFCC does not sell this product directly to consumers.

Environmental exposure:

Effect Assessment	Result
Aquatic Toxicity	Not classified as environmentally hazardous
Biodegradability Persistence	880 mg/l COD for 1,3-Benzenedicarboxylic acid, 5-sulfo, lithium salt (1:1)
Bioaccumulation Potential	<0.04 partition coefficient n-octanol/water for for 1,3-Benzenedicarboxylic acid, 5-sulfo, lithium salt (1:1)

Health Effects from exposure to LiSIPA:

Effect Assessment	Result
Acute Toxicity	Not expected to be acutely toxic
Irritation	Skin: Causes skin irritation Eye: Causes serious eye damage
Sensitization	Not expected to cause skin sensitization
Mutagenicity	Not considered to be mutagenic or genotoxic
Carcinogenicity	Not considered to be carcinogenic
Toxicity after repeated exposure	Not classified
Toxicity for reproduction	Not considered to be a reproductive or developmental toxicant

Disclaimer:

This document is intended to give general information about the chemical or categories of chemicals addressed. FutureFuel Chemical Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage, and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. For additional information, consult the safety data sheet or contact us at productsafety@ffccmail.com.