

# Technical Data Sheet

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## Lithium bis(trifluoromethanesulfonyl)imide

### Product Identification

Product name : Lithium bis(trifluoromethanesulfonyl)imide  
Chemical Formula :  $(CF_3SO_2)_2NLi$   
CAS No. : 90076-65-6

### Physical and Chemical Properties

Property	Value / Description
Purity	99% min
Physical State	Powder
Color	White
Melting Point	232 - 234 °C
Boiling Point	234 - 238 °C
Solubility in Water	Soluble
Stability	Hygroscopic, store under inert gas, stable in cool, dark place (<15 °C)
Reactivity	Moisture sensitive

### Applications

Electrolyte material for lithium-ion batteries, dye-sensitized solar cells (DSSC), light-emitting diodes (LEDs), perovskite hole transport layer (HTL) materials, organic synthesis reagent, component in supercapacitors, polymer electrolyte membranes, lithium salt in advanced battery technology, catalyst material precursor

### Packing

1kg net in sealed containers

### Shipping Regulations

UN No.2923

### Safety Information

Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

\*\*\*The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.