

# Lithium sulfide $\text{Li}_2\text{S}$ structure



## Contents

- Safety:

Molecular



Formula

Average mass  
45.947  
Da

Density

Boiling Point

Flash Point

Molar

Refractivity

Polarizability

Surface

Tension

Molar Volume

- Experimental data
- Predicted - ACD/Labs
- Predicted - ChemAxon
- Experimental Physico-chemical Properties

- **Experimental Melting Point:**

900-975

°CAIfa

Aesar

900-975

°CAIfa

Aesar1283

9

- **Experimental Gravity:**

1. 66

g/mLAlfa

Aesar1283

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- Miscellaneous

- **Safety:**

11-14-31-

36/37/38Al

fa

Aesar1283

9

26-30-

37Alfa

Aesar1283

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DANGER:

FLAMMABL

E, WATER

REACTIVE,

irritates

skin &

eyes. Alfa

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DANGER:

Water

reactive,

flammable,

burns skin

and

eyesAlfa

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Predicted data is generated using the ACD/Labs Percepta Platform -  
PhysChem Module

No predicted properties have been calculated for this compound.

Density:

Boiling Point:

Vapour Pressure:

Enthalpy of Vaporization:

Flash Point:

Index of Refraction:

Molar Refractivity:

#H bond acceptors:

#H bond donors:

#Freely Rotating Bonds:

#Rule of 5 Violations:

ACD/LogP:

ACD/LogD (pH 5. 5):

ACD/BCF (pH 5. 5):

ACD/KOC (pH 5. 5):

ACD/LogD (pH 7. 4):

ACD/BCF (pH 7. 4):

ACD/KOC (pH 7. 4):

Polar Surface Area:

Polarizability:

Surface Tension:

Molar Volume:

Click to predict properties on the Chemicalize site