

Lithium Borohydride

Lithium Borohydride Powder

Stock No.
NS6130-12-000693

Lithium borohydride (LiBH₄) is a tetrahydroborate and known in organic synthesis as a reducing agent for esters. Lithium borohydride is a strong reducing agent. LiBH₄ is commonly used to reduce aldehydes, ketones esters, lactones, and epoxides. One more application of this product is the preparation of other borohydrides. It is involved in the preparation of intercalation compounds and nanocomposites. It is used as a precursor for other borohydrides and acts as a catalyst in hydroboration reactions. It is known to be good reversible storage compound for anhydrous ammonia and hydrogen.

APS
50-60 µm



Purity
>95%

TECHNICAL Specifications

✓ CAS	:	16949-15-8
✓ Color	:	White
✓ Form	:	Powder
✓ Melting Point	:	268°C
✓ Density	:	0.66g/cm ³
✓ Molecular Weight	:	21.78g/mol

APPLICATION

- ✓ Used as a hydrogen storage system
- ✓ Used in Energy storage devices
- ✓ Reducing agent for aldehydes, ketones, acid chlorides, lactones, epoxides, and esters
- ✓ Acts as a catalyst in hydroboration reactions
- ✓ Storage compound for anhydrous ammonia and hydrogen.

PACKING SIZES :25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



20ZICE4589C



19ZAZG01274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD

Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED

Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

