

# Product Data Sheet

## (5N) 99.999% Bismuth Sulfide Sputtering Target

Product Code: BI-S-05-ST

Formula: Bi<sub>2</sub>S<sub>3</sub>

CAS No.: 1345-07-9

EC No.: 215-716-0

MDL: MFCD00014204

### Chemical Identifiers

Linear Formula	Bi <sub>2</sub> S <sub>3</sub>
MDL Number	MFCD00014204
EC No.	215-716-0
Beilstein Registry No.	N/A
Pubchem CID	16682960
IUPAC Name	sulfanylidene (sulfanylidenebis muthanylsulfanyl) bismuthane
SMILES	[BiH3+3].[BiH3+3].[S-2].[S-2].[S-2]
Inchl Identifier	InChI=1S/2Bi.3S/q2*+3;3*-2
Inchl Key	YNRGZHRFBQOYPP-UHFFFAOYSA-N

**Total Metal Impurities:** 0.001% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

**Documentation**

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.