

# Product Data Sheet

**(3N) 99.9% Bismuth Germanate**

**Product Code: BI-GEO-03-C**

**Formula:** Bi<sub>4</sub>Ge<sub>3</sub>O<sub>12</sub>  
**CAS No.:** 12233-56-6  
**EC No.:** 235-457-7  
**MDL:** MFCD00064629

## Chemical Identifiers

<b>Linear Formula</b>	Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub>
<b>MDL Number</b>	MFCD00064629
<b>EC No.</b>	235-457-7
<b>Pubchem CID</b>	N/A
<b>IUPAC Name</b>	N/A
<b>SMILES</b>	[O-][Ge]([O-])([O-])[O-].[O-][Ge]([O-])([O-])[O-].[O-][Ge]([O-])([O-])[O-].[Bi+3].[Bi+3].[Bi+3].[Bi+3]
<b>Inchl Identifier</b>	InChI=1S/4Bi.3GeO4/c;;;;;3*2-1(3,4)5/q4*+3;3*-4
<b>Inchl Key</b>	VJODIOLUNZQTKP-UHFFFAOYSA-N

**Total Metal Impurities:** 0.1% 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.