

# Product Data Sheet

**(5N) 99.999% Bismuth Subnitrate**

**Product Code: BI-SNAT-05**

**Formula:** Bi<sub>5</sub>O(OH)<sub>9</sub>(NO<sub>3</sub>)<sub>4</sub>

**CAS No.:** 1304-85-4

**EC No.:** 215-136-8

**MDL:** MFCD00064844

## Chemical Identifiers

<b>Linear Formula</b>	Bi <sub>5</sub> O(OH) <sub>9</sub> (NO <sub>3</sub> ) <sub>4</sub>
<b>MDL Number</b>	MFCD00064844
<b>EC No.</b>	215-136-8
<b>Pubchem CID</b>	24884203
<b>IUPAC Name</b>	tetrabismuth; oxobismuthanylium; nonahydroxide; tetranitrate
<b>SMILES</b>	O=[N+][[O-]O[Bi](O)O.O[Bi](O)O[N+][[O-]=O.O[Bi]=O.O[Bi](O)O[N+][[O-]=O.O[Bi](O)O[N+][[O-]=O
<b>Inchl Identifier</b>	InChI=1S/5Bi.4NO3.9H2O.O/c;;;;;;;;;4*2-1(3)4;;;;;;;;;;/h;;;;;;;;;;9*1H2;/q+1;4*+3;4*-1;;;;;;;;;;/p-9
<b>Inchl Key</b>	OAVDTZZNYFIIGB-UHFFFAOYSA-E

**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.