

Nomenclature:	Bismuth oxide Trioxyde de dibismuth Dibismuth trioxide	Bismuthous oxide Bismuth trioxide Bismuth sesquioxide	
Formula:	Bi <sub>2</sub> O <sub>3</sub>		
CAS Number:	1304-76-3		
Inventory status:	TSCA EINECS (No.: 215-134-7)	EPA ENCS (No.: 1-98)	DSL AICS

### Chemical Data:

	Specification	Typical value
Bismuth Oxide	min. 99.5 %	
Fe	max. 20 ppm	< 20 ppm
Al	max.15 ppm	n.d.
Ag, Pb	max. 10 ppm	< 10 ppm
Cu, Cr	max. 10 ppm	< 5 ppm
Ni	max. 7 ppm	< 5 ppm
Sb	max. 5 ppm	< 3 ppm
Zn	max. 5 ppm	< 2 ppm
As, Hg	max. 0.5 ppm	n.d.

### Morphological and Physical Data:

	Specification	Typical value
Particle size: d50 (Sieve analysis)		25 µm
Appearance		brownish-yellow powder
Tapped density		5 g/cm <sup>3</sup>
Density (theor.)	8.5–9.4 g/cm <sup>3</sup>	
Molecular weight	465.96	

### Regulatory Information:

RoHS	The material complies with RoHS/WEEE/ELV-regulation: Pb, Hg, Cr(VI), PBB, PBDE: each < 1000 ppm Cd: < 100 ppm
REACH	Product is registered acc. to REACH-regulation