

Nomenclature:	Bismuth oxide Trioxyde de dibismuth Dibismuth trioxide	Bismuthous oxide Bismuth trioxide Bismuth sesquioxide	
Formula:	Bi ₂ O ₃		
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	99 - 101 %	100 %
Identity Bi	positive	positive
Cl	max. 500 ppm	< 10 ppm
SO ₄	max. 10 ppm	< 10 ppm
NO ₃	max. 0.2 %	< 0.2 %
Loss on drying	max. 0.5 %	0.1 %
As	max. 5 ppm	< 5 ppm
Cu	max. 50 ppm	< 1 ppm
Ag	max. 25 ppm	< 1 ppm
Pb	max. 20 ppm	< 2 ppm

Morphological and Physical Data:

	Specification	Typical value
Particle size: d50 (Helos/Rodos)		4 µm
Pass through 180 µm	min. 99.5 %	> 99.5 %
Appearance		yellow powder
Tapped density		2.5 g/cm ³
Density (theor.)	8.5–9.4 g/cm ³	
Molecular weight	465.96	

Regulatory Information:

BSE/TSE	Product does not contain ingredients or is produced by raw materials of animal origin
GMO	Product does not contain ingredients or is produced by raw materials containing GMOs
Residual solvents	Product does not contain residual solvents
REACH	Product is registered acc. to REACH-regulation

Particle Size Distribution:

