

TMG 789

Product Data

Formula	Bi ₂ O ₃
Chemical name	Bismuth trioxide
Molecular weight	466.00
Solubility	Practically insoluble in water, soluble in HCl 2M
Color	Yellow
Odour	Odourless
CAS No.	1304-76-3
Density	3.1 g/cm ³

Analysis

Assay	≥99.5%
Bi content	>89.3%
Sulphates	≤200ppm
Chloride	≤200ppm
Arsenic	≤2ppm

Application

Chemical industry

-as a substitute of Lead oxide in ceramics and glasses

-as a catalyst for resin manufacturing

-as a raw material for other Bismuth chemicals

Electronic industry

in superconductors, electronic ceramics

Storage

Bismuth trioxide has a shelf life of at least of one year if stored correctly in its original packaging at a cool and dry place and away from light. Separate storage from oxidation agents, alkali metals and interhalogenes is recommended.

Packaging

25kg/ fibre drum

Special advice for security

Information concerning:

- classification and labelling according to the regulations governing transport and hazardous chemicals
 - protective measures for storage and handling
 - safety measures in case of accident and fire
 - toxicity and ecological effects
- are given in our material safety data sheets.