



TIN OXIDE (SnO₂) HYDRATE

DATA SHEET – 035 Issue 3, Effective Date: 23/04/2008

Synonyms: metastannic acid, beta-stannic acid, alpha-stannic acid, ortho-stannic acid, SnO₂.xH₂O, acid tin oxide

C.A.S. No: 18282-10-5 EINECS No: 2421590

Description: Metastannic acid is supplied as a white powder consisting of aggregates of spherical primary particles. Alpha-stannic acid is supplied as granular gel particles. Uses include catalysis and ion exchange.

TYPICAL PROPERTIES

Physical characteristics

Surface area (BET):	150 to 200 m ² g ⁻¹
Specific gravity:	5.2
Tap Density:	2000 g l ⁻¹
pH (50g in 50mls water):	0.5 to 2.5

Chemical data (as oxides):

Pb, Sb	each typically <0.03%
Fe, Bi, Cu, As	each typically <0.02%
Co, Ni, Ag, Cd, Mg, Mn, Zn	each typically <0.001%
Total of impurities listed	0.15% maximum
Nitric acid (HNO ₃):	Up to 2.5%

All information is given in good faith but without warranty.
This Data Sheet supersedes and replaces all previous issues.

Keeling & Walker products are manufactured under the ISO 9001 Quality Management System and the ISO 14001 Environmental Management System