Keeling & Walker
World Leader in Tin Oxide

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METASTANNIC ACID (ACID TIN OXIDE)

DATA SHEET - 012 **Issue 7, Effective Date: 15/09/2005**

Chemical Name: metastannic acid, beta stannic acid, $SnO_2.xH_20$

C.A.S. No: [13472-47-4] **CCCN No: 282590 90 0** **EINECS No: 2367455**

Description: Metastannic acid produced by reacting high grade tin metal with nitric acid.

Physical state: Inert white powder, comprising aggregates of spherical primary particles. Non-flammable. Specific Gravity 5.20

CONTROL PROPERTIES

Chemical data: This material is produced from tin metal conforming to the BS EN 610 : 1996 specification (99.85% minimum purity)

Free nitric acid: 2.5 % maximum (I)

TYPICAL SIGNIFICANT PROPERTIES

Surface Area (BET):	**Approximately 200 $m^2 g^{-1}$**
Tap Density:	**Approximately 2300 g l^{-1}**
pH (50g in 50mls. water):	**Approximately 0.5 to 2**
Chemical data, impurities (as oxides):	
As, Bi, Co, Cu, Fe, In, Ni, Pb, Sb	**Individual oxides 0.05% maximum**
Ag, Cd, Mg, Mn, Zn	**Individual oxides 0.01% maximum**
Total of all impurities listed	**0.15% maximum**

All information is given in good faith but without warranty.
This Data Sheet supersedes and replaces all previous issues.
(I) Keeling & Walker Limited Test Method KW11.

Keeling & Walker Test Methods are available for all the above determinations.

Keeling & Walker Metastannic Acid (Acid Tin Oxide) is manufactured under a Quality Assurance System certified to comply with ISO 9000.