



AMMONIA DISPERSED TIN OXIDE SOL

DATA SHEET - 051, Issue 2, Effective Date: 23/04/2008

Synonyms:	Hydrated tin oxide dispersion, colloidal tin oxide, alpha-stannic acid, ortho-stannic acid, $\text{SnO}_2 \cdot x\text{H}_2\text{O}$	
	C.A.S. No	EINECS No
Hydrated tin oxide:	18282-10-5	2421590
Ammonia solution:	1336-21-6	2156476

Description: Ammonia dispersed tin oxide sol is supplied as a clear liquid consisting of hydrated tin oxide in dilute ammonia solution. Uses include as a precursor for catalysis and ion exchange and for production of tin oxide thin films.

TYPICAL PROPERTIES:

Physical characteristics:

Specific gravity:	1.1
pH :	10 to 12
Surface area (BET): *	150 to 200 $\text{m}^2 \text{g}^{-1}$
Particle size :*	< 10 nm (primary particles)

* Denotes test result on dried sol.

Main constituents:

Tin oxide :	approx. 10% w/w
Ammonia:	less than 2% w/w
Water:	balance

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