



# Keeling & Walker

World Leader in Tin Oxide



Whieldon Road, Stoke-on-Trent, ST4 4JA, UK

Telephone: +44 (0) 1782 744136

Fax: +44 (0) 1782 744126

e.mail: sales@keelingwalker.co.uk

Website: www.keelingwalker.co.uk

## HYDRATED TIN OXIDE DISPERSION

DATA SHEET - 045 Issue 3, Effective date 23/04/2008

Chemical Name: Hydrated tin oxide dispersion, tin oxide sol, colloidal tin oxide.

	C.A.S. No	EINECS No
Hydrated tin oxide:	[18282-10-5]	2421590
Potassium hydroxide:	[1310-58-3]	2151813

Description: Hydrated tin oxide dispersion comprises colloidal particles of hydrated tin oxide in 2-5% potassium hydroxide solution. It may be used as a source of ultra fine and highly reactive tin oxide for use in mixed metal oxides, coatings, catalysis etc.

Physical State: Clear or translucent liquid.

### CONTROL PROPERTIES

Specific Gravity: 1.37 to 1.42

Solids content: 27 to 30 % w/w as SnO<sub>2</sub>

### TYPICAL SIGNIFICANT PROPERTIES

pH: 10 to 14

Primary crystallite size (TEM): 2 to 10 nanometres \*

Average aggregate particle size (PCS): <100 nanometres

Surface area (BET): approx 200 m<sup>2</sup>/g \*

( \* = based on powder from dried dispersion )

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