



## TIN CHEMICALS FOR CATALYSIS

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MEL Inc produces a wide range of Zirconium Chemicals for catalysis and are US distributors of Tin Chemicals for catalysis made by Keeling & Walker Ltd. UK.

Grade	Description	Composition Solids	Average particle size	Surface area	Pore	Pore radius	Specific	pH
Status			microns or nanometers	BET m2/gram	volume cm3	Angstroms	gravity	50gms/50mls water
<b>TIN OXIDES</b>								
Superlite C	Free flowing powder	SnO <sub>2</sub> 99.9%	0.80 microns agglomerates	7 - 11	x	x	6.95	x
SV5	Free flowing powder	SnO <sub>2</sub> 99.9%	1.40 microns agglomerates	2 - 4	x	x	6.95	x
Hydrated Tin Oxide	Spherical primary particles	SnO <sub>2</sub> 84 - 86%	< 5 nanometers primary particles	>> 200	0.10	10	5.0 - 5.4	2.0 - 2.5
Hydrated Tin Oxide	Granular gel particles	SnO <sub>2</sub> 84 - 86%	< 5 nanometers primary particles	>> 200	0.10	10	5.0 - 5.4	2.0 - 2.5
<b>DOPED TIN OXIDES</b>								
HSATO-S*	Silica doped free flowing powder	Doped SnO <sub>2</sub> >>95 % SiO <sub>2</sub> >> 4 %	3 - 5 microns	100-120	0.12	20	6.9	x
CPM10C	Antimony doped free flowing powder	Doped SnO <sub>2</sub> >>90% + Sb <sub>2</sub> O <sub>3</sub> 10 %	10 - 20 nanometers primary particles	50	x	x	6.5	x
<b>DISPERSIONS OF TIN OXIDES</b>								
Hydrated Tin Oxide Dispersion	30 %(solids) Dispersion - water / 2-5% KOH	30 % Hydrated SnO <sub>2</sub>	<10 nanometers primary particles	>> 200 dried dispersion	x	x	1.4	10 - 12
Ammonia Dispersed Tin Oxide sol	10 %(solids) Dispersion - water / 2% ammonia	10 % Hydrated SnO <sub>2</sub>	<10 nanometers primary particles	150 - 200 dried dispersion	x	x	1.1	10 - 12
CPM10C Colloidal Dispersion	20 %(solids) Dispersion - water	20 % CPM10C	2 - 10 nanometers primary particles	70 - 100 dried dispersion	x	x	x	5 - 8