

Series	[OOCR]	[OOCR]/[Zn]	[Zn] /M	Solvent	Reaction time /h	TEM	UV-vis		XRD d /nm				TGA	
						d /nm	$\lambda_{1/2}$ /nm	d /nm	(100)	(002)	(102)	(110)	Mass loss /%	Surface coverage /%
Variation of [OOCR]/[Zn]	Stearate	0.33	0.15	toluene	2	2.7	329.6	2.8	-	-	3.0	3.8	55	154
			0.15	toluene	2	3.9	352.0	3.7	-	-	2.9	3.3	37	86
		0.20	0.15	toluene	2	2.8	342.1	3.2	-	-	-	2.9	40	80
						3.4	351.1	3.7	-	-	2.5	3.5	41	89
						3.5	349.3	3.6	-	-	-	3.6	40	96
						-	349.6	3.6	-	-	-	3.4	38	85
						3.9	348.6	3.5	-	-	2.7	3.9	41	96
						3.6	352.9	3.8	-	-	-	2.8	40	95
						-	348.8	3.5	-	-	-	-	41	96
		0.10	0.15	toluene	2	3.3	350.24	3.6	-	-	3.8	4.7	27	58
						3.9	-	-	-	-	3.9	4.7	25	56
		0.05	0.15	toluene	2	3.5	342.9	3.3	-	-	4.0	4.7	18	34
						4.7	-	-	-	-	3.8	5.1	17	37
		0.01	0.15	toluene	2	3.0	351.9	3.7	-	-	3.8	4.3	7	11
						4.8	-	-	-	-	3.0	3.8	10	17
	None	-	0.15	toluene	2	-	-	-	-	-	4.4	3.5	-	-
Particle growth over time	Stearate	0.20	0.15	toluene	0.17	3.1	343.09	3.3	-	-	-	-	-	-
						3.3	342.07	3.2	-	-	-	-	-	-
					0.25	2.8	345.85	3.4	-	-	-	-	-	-
						3.4	339.84	3.1	-	-	-	-	-	-
					0.5	3.2	346.10	3.4	-	-	-	-	-	-
						3.4	341.95	3.2	-	-	-	-	-	-
					1	3.3	350.00	3.6	-	-	-	-	-	-
						3.6	344.11	3.3	-	-	-	-	-	-
					1.5	3.3	349.02	3.6	-	-	-	-	-	-
						3.6	345.73	3.4	-	-	-	-	-	-
					2	4.1	348.95	3.5	-	-	-	-	-	-
						3.6	348.78	3.5	-	-	-	-	-	-
						4.2	354.07	3.9	-	-	-	-	-	-
					4	4.2	354.88	4.0	-	-	-	-	-	-
Variation of concentration	Stearate	0.20	0.3	toluene	2	-	351.95	3.7	-	-	-	-	-	-
			0.23	toluene	2	-	349.55	3.6	-	-	-	-	-	-
			0.1	toluene	2	-	350.65	3.6	-	-	-	-	-	-
			0.05	toluene	2	-	352.20	3.8	-	-	-	-	-	-
			0.025	toluene	2	-	352.68	3.8	-	-	-	-	-	-
Variation of alkyl chain length	Hexanoate	0.20	0.15	toluene	2	4.6	354.1	3.9	-	-	-	-	20	-
						4.6	357.8	4.2	-	-	-	-	-	-
						-	358.3	4.3	-	-	-	5.0	-	-
						-	348.4	3.5	-	-	-	5.1	-	-
						-	362.2	5.0	-	-	-	5.1	-	-
	Dodecanoate	0.20	0.15	toluene	2	4.1	351.6	3.7	-	-	-	-	32	-
Rapid hydrolysis, 0 °C	Stearate	0.20	0.15	toluene	2	5.9	364.0	5.6	-	-	4.4	6.0	44	-
Rapid hydrolysis, -78 °C	Stearate	0.20	0.15	toluene	2	7.1	364.6	6.0	-	-	4.3	8.2	40	-
						4.3	356.5	4.1	-	-	4.0	8.2	42	-
						-	-	-	-	-	4.3	7.2	-	-
		0.14	0.15	toluene	2	-	354.6	3.9	-	-	3.3	8.0	-	-
		0.10	0.15	toluene	2	-	-	-	-	-	3.6	7.1	25	-
						6.7	363.7	5.5	3.5	9.9	4.4	9.0	-	-
						-	-	-	2.5	8.6	3.8	7.8	-	-
						-	362.0	4.9	-	-	4.1	8.5	-	-

		0.05	0.15	toluene	2	- 10.1	- 366.1	- >6.5	- 5.7	- 9.2	5.0 4.6	9.8 9.3	16 -	- -
	none	-	0.15	toluene	2	- -	- -	- -	9.9 13.0	7.3 9.7	7.0 5.4	9.7 7.9	- -	- -
Slow hydrolysis, 11% RH	Dodecanoate	0.20	0.15	hexane	24	- - -	- - -	- - -	- - -	- - -	4.4 3.2 3.4	5.6 4.0 3.9	34 - -	- - -
						- - -	- - -	- - -	- - -	- - -	4.8 3.2 6.0	7.0 4.7 8.0	28 - -	- - -
						- - -	- - -	- - -	- - -	- - -	6.0 4.5 5.5	8.4 6.3 7.8	23 - -	- - -
		0.07	0.15	hexane	24	- - -	- - -	- - -	- - -	- - -	6.5 4.4 5.8	9.2 6.8 7.5	18 - -	- - -
						- - -	- - -	- - -	- - -	- - -	6.0 4.2 5.6	9.0 7.0 7.9	13 - -	- - -
	Hexanoate	0.20	0.15	hexane	24	-	-	-	-	-	3.4	3.9	-	-
		0.10	0.15	hexane	24	-	-	-	-	-	4.3	7.1	-	-
		0.07	0.15	hexane	24	-	-	-	-	-	5.0	8.0	-	-
		0.05	0.15	hexane	24	-	-	-	-	-	4.9	8.1	-	-
	Stearate	0.20	0.15	hexane	24	-	-	-	-	-	3.8	3.7	56	-
		0.14	0.15	hexane	24	-	-	-	2.0	-	3.8	5.5	-	-
		0.10	0.15	hexane	24	-	-	-	3.3	-	3.8	6.9	28	-
		0.07	0.15	hexane	24	-	-	-	3.4	-	4.5	8.2	22	-
		0.05	0.15	hexane	24	-	-	-	3.7	-	4.9	9.8	17	-
		0.20	0.15	toluene	24	3.7	337.8	3.1	-	-	4.0	5.5	-	-
		0.14	0.15	toluene	24	4.8	347.3	3.5	3.3	-	4.7	7.3	-	-
		0.10	0.15	toluene	24	5.6	347.8	3.5	3.6	7.6	4.6	7.3	-	-
		0.07	0.15	toluene	24	5.4	349.3	3.6	3.1	8.8	4.9	8.1	-	-
		0.05	0.15	toluene	24	7.4	353.9	3.9	3.5	10.0	5.6	9.4	-	-
	None	-	0.15	hexane	24	-	-	-	-	-	11.4	15.7	-	-
Slow hydrolysis, 30% RH	Dodecanoate	0.20	0.15	hexane	24	- - - -	349.3 - - -	3.6 - - -	- - - -	- - - -	3.2 - 3.1 -	3.3 4.1 3.6 4.4	33 34 - -	- - - -
						- - -	353.4 - -	3.8 - -	- - -	- - -	3.4 4.2 3.2	3.9 5.3 3.8	26 28 -	- - -
						- - -	356.9 - -	4.2 - -	- - -	- - -	2.9 4.9 3.6	3.9 6.4 5.3	21 22 -	- - -
						- - -	- - -	- - -	- - -	- - -	5.9 4.7 3.6	7.1 6.7 5.4	- 16 17	- - -
		0.07	0.15	hexane	24	- - -	357.0 - -	4.2 - -	- - -	- - -	4.7 3.6 3.8	6.7 5.4 5.3	16 17 -	- - -
	None	-	0.15	hexane	24	- - -	358.5 - -	4.3 - -	- - -	- - -	4.7 3.8 5.1	6.6 5.1 5.1	14 15 -	- - -
						-	-	-	-	-	6.6	7.9	-	-
						-	-	-	-	-	5.4	8.7	-	-