

Chemical content 74HCT32D



Type number	Package	Package description	Total product weight
74HCT32D	SOT108-1	SO14	123.17122 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
933719470652	14	1	260	30 s	1	240	20 s	3	Bangkok, Thailand; Nijmegen, Netherlands; Suzhou, China	
933719470653	10	1	260	30 s	1	240	20 s	3	Suzhou, China; Nijmegen, Netherlands; Bangkok, Thailand	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.07786	77.86000	0.06321
	Polymer	Acrylic resin	Proprietary	0.01518	15.18000	0.01232
		Resin system	Proprietary	0.00696	6.96000	0.00565
		subTotal		0.10000	100.00000	0.08118
Die	Doped silicon	Silicon (Si)	7440-21-3	0.18485	100.00000	0.15008
		subTotal		0.18485	100.00000	0.15008
Lead Frame Material	Copper alloy	Copper (Cu)	7440-50-8	43.41314	97.47000	35.24617
		Iron (Fe)	7439-89-6	1.06896	2.40000	0.86787
		Phosphorous (P)	7723-14-0	0.01336	0.03000	0.01085
		Zinc (Zn)	7440-66-6	0.04454	0.10000	0.03616
		subTotal		44.54000	100.00000	36.16105
Mould Compound	Additive	Non hazardous	Proprietary	3.64673	4.70000	2.96070
	Filler	Silica fused	60676-86-0	61.29610	79.00000	49.76495
	Flame retardant	Magnesium Hydroxide (Mg(OH)2)	1309-42-8	4.65540	6.00000	3.77962
	Pigment	Carbon black	1333-86-4	0.15518	0.20000	0.12599
	Polymer	1,4-bis(methoxymethyl)benzene/phenol copolymer	26834-02-6	3.10360	4.00000	2.51974
		Non hazardous	Proprietary	3.18119	4.10000	2.58274
		Tetramethylbiphenyl diglycidyl ether	85954-11-6	1.55180	2.00000	1.25987
subTotal		77.59000	100.00000	62.99361		
Pre-Plating	Pure metal layer	Gold (Au)	7440-57-5	0.00670	1.00000	0.00544
		Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.64990	97.00000	0.52764
		Palladium (Pd)	7440-05-3	0.01340	2.00000	0.01088
		subTotal		0.67000	100.00000	0.54396
Wire	Pure metal	Copper (Cu)	7440-50-8	0.08637	100.00000	0.07012
		subTotal		0.08637	100.00000	0.07012

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