

## Example

### Material data declaration / Umbrella Specification / IC

Product	Product name/ family name	Electronic component / 47xx	Content of the declaration	Composition declaration
	Identifier	4711	Version IEC Database	n.A.
	Package	TO263		

Company	Company	Name, Identifier Address	Date / Version	06.03.2018 / 1.0
	Contact	Name, E-Mail of contact person	Mass	1556,94
	Authorizer	Name, E-Mail of authorizer person	Unit	mg

Item / SubItem Name	ProductPart	Weight [mg]	Material name	Classification	Weight [mg]	Mass Percent	Substance Name	CAS #	Exemptions	Weight [mg]	Mass Percent
Electronic component	Chip	1,525	silicon	7.2	1,525	0,1	silicon	7440-21-3	-	1,525	100
	Leadframe	304,421	copper iron alloy	3.2	304,421	19,6	phosphorus	7723-14-0	-	0,091	0,03
							iron	7439-89-6	-	0,304	0,1
							copper	7440-50-8	-	304,026	99,87
	Wire	2,74	aluminium	2.1	2,74	0,18	copper	7440-50-8	-	2,74	100
	Encapsulation	688,404	epoxy	5.4.3	688,404	44,2	carbon black	1333-86-4	-	10,326	1,5
							epoxy resin	-	-	113,587	16,5
							silicondioxide	60676-86-0	-	564,491	82
	Leadfinish	9,657	e-plate Sn	4.2	9,657	0,62	tin	7440-31-5	-	9,657	100
	Plating	0,229	e-plate Ni	4.2	0,229	0,015	nickel	7440-02-0	no prolonged skin contact expected	0,228	99,6
							phosphorus	7723-14-0	-	0,001	0,4
	Solder	1,589	solder	4.2	1,589	0,1	tin	7440-31-5	-	0,032	2
							silver	7440-22-4	-	0,04	2,52
							lead	7439-92-1	RoHS 7a	1,517	95,48
Heatspreader	548,378	copper iron alloy	3.2	548,378	35,2	phosphorus	7723-14-0	-	0,165	0,03	
						iron	7439-89-6	-	0,548	0,1	
						copper	7440-50-8	-	547,666	99,87	

Legal evaluation	RoHS	The product fullfill the substance requirement  Used exemption: - 7a, Lead in high melting temperature type solders
	REACH	The product does not contain substances named in Annex XVII and the candidate list of REACH above the reportable or restricted threshold values
	Biocide regulation (528/2012/EU)	The product does not contain substances which have been added to achieve biocidal function
Comment	<p>This material content declaration contains typical values of the respective groups as defined above. We expressly point out, that all values and statements contained herein are based on our best present knowledge and cannot be regarded as binding elements or binding product specifications, unless otherwise explicitly agreed in writing.</p> <p>This full material declaration is based on information provided by third parties and reasonable steps have been taken to provide representative and accurate information.</p> <p>The suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available.</p> <p>All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development.</p>	
Declarable substance List	e.g. GADSL, IEC62474 database, RISL, ....	
Threshold	as defined in list above	
MaterialClassList (in case classification is used)	VDA231-106	

Umbrella Specification (composition could be used also for the following parts)			
Identifier	Weight [mg]	Identifier	Weight [mg]
4712	2000		
4713	2500		
4714	4000		