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## Materials Declaration Form

<b>IPC Form Type *</b>	<b>1752</b> Distribute	<b>Version</b>	<b>2</b>
<b>Sectionals *</b>	Material Info Manufacturing Info	<b>Subsectionals *</b>	A-D  *: Required Field

Supplier Information			
<b>Company Name *</b>	STMicroelectronics	<b>Response Date *</b>	2015-04-08
<b>Contact Name *</b>	Refer to "Supplier Comment" section	<b>Contact Title</b>	Refer to "Supplier Comment" section
<b>Contact Phone *</b>	Refer to "Supplier Comment" section	<b>Contact Email *</b>	Refer to "Supplier Comment" section
<b>Authorized Representative *</b>	Floriana San Biagio	<b>Representative Title</b>	AMS Material Declaration Champion
<b>Representative Phone *</b>	Refer to "Supplier Comment" section	<b>Representative Email *</b>	Refer to "Supplier Comment" section
<b>Supplier Comment</b>	Online Technical Support - STMicroelectronics : <a href="http://www.st.com/web/en/support/support.html">http://www.st.com/web/en/support/support.html</a>		

### Uncertainty Statement

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### Legal Statement

<b>Supplier Acceptance *</b>	true	<b>Legal Declaration *</b>	Standard
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### Legal Statement

Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
	IDO7*0462AS6	A	BO2A	2015-04-08
Amount	UoM	Unit type	ST ECOPACK Grade	
80	mg	Each	ECOPACK® 2	

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		 life.augmented
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
ating is used or other bulk terminati	Tin (Sn), matte	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
DSO	4.85x3.9x1.52	8	gull wing	
Comment	Package: SO 08 .15 JEDEC; MD validi for TS972IYDT			

QueryList : ROHS directive 2011/65/EU \_ July 2011

Query	Response
1 - Product(s) meets EU RoHS requirement without any exemptions	<b>true</b>
2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)	false
3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	false
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions	false
5 - Product(s) is obsolete, no information is available	false
6 - Product(s) is unknown, no information is available	false

Exemption Id.	Description

QueryList : REACH-17th December 2014

Query	Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH	<b>true</b>

CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product

Material Composition Declaration						Mfr Item Name	IDO7*0462A56					
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or Dies (choose)	Other inorganic materials	0.694	mg	supplier	die	Silicon (Si)	7440-21-3		0.689	mg	992795	8613
				supplier	metallization	Aluminium (Al)	7429-90-5		0.002	mg	2882	25
				supplier	passivation	Silicon Nitride (SiN)	12033-89-5		0.002	mg	2882	25
Leadframe	Copper & its alloys	28.968	mg	supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.001	mg	1441	13
				supplier	alloy	Copper (Cu)	7440-50-8		27.901	mg	963166	348763
				supplier	alloy	Iron (Fe)	7439-89-6		0.656	mg	22646	8200
				supplier	alloy	Iron Phosphide (FeP)	26508-33-8		0.040	mg	1381	500
Die attach	Other inorganic materials	0.323	mg	supplier	alloy	Zinc (Zn)	7440-66-6		0.034	mg	1174	425
				supplier	glue or tape (choose)	Silver (Ag)	7440-22-4		0.294	mg	910217	3675
				supplier	glue or tape	acrylate	Proprietary		0.016	mg	49536	200
Bonding wire	Other inorganic materials	0.072	mg	supplier	glue or tape	Methacrylate	Proprietary		0.013	mg	40248	163
				supplier	wire	Copper (Cu)	7440-50-8		0.072	mg	1000000	900
encapsulation	Other inorganic materials	49.943	mg	supplier	mold compound	Epoxy Resin	Proprietary		3.746	mg	75006	46825
				supplier	mold compound	Phenol Resin	Proprietary		2.497	mg	49997	31213
				supplier	mold compound	Silica, vitreous	60676-86-0		43.250	mg	865987	540625
				supplier	mold compound	Carbon black	1333-86-4		0.250	mg	5006	3125
				supplier	mold compound	Bismuth (Bi)	7440-69-9		0.200	mg	4005	2500