Material Declaration Data Sheet - V001

Schema Database Version*	cdv1	Ver .011
Substance Database Version*	JIG-101 Ed. 3.1	

Supplier Information

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Response Date*	10/11/2011		

Supplier Comments

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Product(s)

ProductFamilyName

Requester Item Number	Mfr Item Number*	Mfr Item Description	Effective Date*	Mass*	UoM*	Comment
	PF29F16B16NCNE1	FLASH 29F16B16NCNE1 T-PBGA152	10/11/2011	527.3	mg	

Product Part(s)

ID*	Description	Effective Date*	Units*	% of Product Mass
911679, 911680	FLASH 29F16B16NCNE1 T-PBGA152	10/11/2011	1	100.00
				100.00

Declaration

RoHS Declaration per EU Directive 2002/95/EC Product Meets the EU RoHS requirements

Exemptions

Low Halogen Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet J-Std-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements

Signature

Signature Intel Product Ecology

Product Part ID: 911679 **Product Part Description:** PF29F16BNCNE1

RoHS Substance Group (JIG-101 Ed 3.1)	Description of Use (Reportable Application)	Homogeneous Threshold	Above the threshold? Y/N	Substance Mass% of homogeneous layer	Homogeneous material name	Homogeneous Material Mass% of product part	Exemption	Comments
Cadmium/Cadmium Compounds	All, except batteries	0.01 % by weight (100 ppm) of homogeneous materials	No					
Chromium VI Compounds	All	0.1 % by weight (1,000 ppm) of homogeneous materials	No					
Lead/Lead Compounds	All, except as noted in the JIG Substance Group section	0.1 % by weight (1000 ppm) of homogeneous materials	No					
Mercury/Mercury Compounds	All, except batteries	Intentionally added or 0.1 % (1000 ppm) of homogeneous material	No					
Polybrominated Biphenyls (PBBs)	All	0.1 % by weight (1000 ppm) in homogeneous material	No					
Polybrominated Diphenylethers (PBDEs)	All	0.1 % by weight (1000 ppm) in homogeneous material	No					

JIG Substance Group (JIG-101 Ed 3.1)	Description of Use (Reportable Application)	Article Threshold	Above the threshold? Y/N	Substance Mass% of product part	Comments
Asbestos	All	Intentionally added	No		
Azocolourants and azodyes which form certain aromatic amines	Textiles and leather	0.003 % by weight (30 ppm) of the finished textile/leather article	No		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Plastic parts >25 grams other than in printed wiring board assemblies	0.1 % by weight (1000 ppm) of the plastic material	No		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Printed wiring board laminate	0.09 % total bromine content by weight (900 ppm) in laminate	No		
Cadmium/Cadmium Compounds	Batteries	0.0005 % by weight (5 ppm) of battery	No		
Dibutylin (DBT) Compounds	All	0.1% by weight (1000 ppm) of tin in a material	No		
Dioctyltin (DOT) Compounds	(a) Textiles, (b) childcare articles, (3) RTV-2 moulding kits	0.1% by weight (1000 ppm) of tin in a material	No		
Fluorinated greenhouse gases (PFC, SF6, HFC)	All	Intentionally added	No		
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	All	0.1 % by weight (1,000 ppm) of the product	No		
Lead/Lead Compounds	Consumer products designed or intended primarily for children 12 years of age or younger	0.03% by weight (300 ppm) of children's product	No		
Lead/Lead Compounds	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 % by weight of surface coating	No		
Lead/Lead Compounds	Cables/cords with thermoset or thermoplastic coatings	0.03 % by weight (300 ppm) of surface coating	No		
Lead/Lead Compounds	Batteries	0.004 % by weight (40 ppm) of battery	No		
Mercury/Mercury Compounds	Batteries	0.0001% by weight (1 ppm) of battery	No		
Ozone Depleting Substances	All	Intentionally added	No		
Perchlorates	All	0.0000006 % by weight (0.006 ppm) of the product	No		
Perfluorooctane sulfonate (PFOS)	All	Intentionally added	No		
Select Phthalates Group 1 (BBP, DBP, DEHP)	Children's toys or child care article	0.1 % by weight (1000 ppm) of plasticized material	No		
Selected Phthalates Group 2 (DIDP, DINP, DNOP)	Children's toys or child care article that can be placed in child's mouth	0.1 % by weight (1000 ppm) of plasticized material	No		
Polychlorinated Biphenyls (PCBs) and specific substitutes	All	Intentionally added	No		

Product Part ID: 911679 **Product Part Description:** PF29F16BNCNE1

Polychlorinated Terphenyls (PCTs)	All	Intentionally added	No		
Polychlorinated Naphthalenes (more than 3 chlorine atoms)	All	Intentionally added	No		
Polyvinyl Chloride (PVC)	All	0.1 % by weight (1000 ppm) of product	No		
Radioactive Substances	All	Intentionally added	No		
Refractory Ceramic Fibres, Aluminosilicate	All	0.1% by weight (1000 ppm) of the product	No		
Refractory Ceramic Fibres, Zirconia Aluminosilicate	All	0.1% by weight (1000 ppm) of the product	No		
Shortchain Chlorinated Paraffins (C10 - C13)	All	0.1 % by weight (1,000 ppm) of product	No		
Tri-substituted organostannic compounds	All	0.1% by weight (1000 ppm) of tin in a material	No		

REACH Substance List (JIG-101 Ed 3.1)	**Reportable Application**	**Threshold**	**Above threshold?**	**Substance Mass%** of product part	**Authority**	**Number**	**Comments**
Diarsenic pentaoxide	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1303-28-2	
Diarsenic trioxide	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1327-53-3	
Beryllium oxide (BeO)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	1304-56-9	
Cobalt dichloride	All	0.1% by weight (1000 ppm) of the product	No		CAS	7646-79-9	
Dimethyl fumarate	All	0.00001% by weight (0.1 ppm) in a material	No		CAS	624-49-7	
Formaldehyde	Composite Wood (plywood, particle board, MDF) products or components	Intentionally added	No		CAS	50-00-0	
Formaldehyde	Textiles	0.0075 % by weight (75 ppm) of textile product	No		CAS	50-00-0	
Lead chromate	All	0.1% by weight (1000 ppm) of the product	No		CAS	7758-97-6	
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	All	0.1% by weight (1000 ppm) of the product	No		CAS	12656-85-8	
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	All	0.1% by weight (1000 ppm) of the product	No		CAS	1344-37-2	
Nickel	All, where prolonged skin contact is expected	Intentionally added	No		CAS	7440-02-0	
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethlethyl)	All	Intentionally added	No		CAS	3846-71-7	
Bis (2-ethylhexyl)phthalate (DEHP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	117-81-7	
Dibutyl phthalate (DBP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	84-74-2	
Benzyl butyl phthalate (BBP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	85-68-7	
Diisobutyl phthalate	All	0.1 % by weight (1000 ppm) of the product	No		CAS	84-69-5	
Bis(tributyltin)oxide (TBTO)	All	Intentionally added or 0.1 % by weight (1,000 ppm) of the product	No		CAS	56-35-9	
Tris(2-chloroethyl)phosphate	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	115-96-8	
Tetraboron disodium heptaoxide, hydrate	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	12267-73-1	
Disodium tetraborate, anhydrous	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1303-96-4, 1330-43-4, 12179-04-3	
Boric Acid	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	10043-35-3, 11113-50-1	