Schema Database Version*	IEC 62474 X1.02	Version 0.20
Substance Database Version*	IEC 62474 D3.00	

Supplier Information

Company Name*	Intel Corporation	Contact Name*	Gustavson, John P
Response Document ID	8169	Contact Title*	Intel Product Ecology
Company Unique ID	047897855	Contact Phone*	1-800-628-8686
Unique ID Authority	Dun and Bradstreet	Contact Email*	rohs@intel.com
Response Date*	12/2/2013		

Supplier Comments

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Product(s)

ProductFamilyName

Requester Item Number	Mfr Item Number*	Mfr Item Description	Effective Date*	Mass*	UoM*	Comment
	PF29F64B08NCMFS	FLASH 29F64B08NCMFS T-PBGA152	12/2/2013	536	mg	

Declaration

RoHS II per Directive 2011/65/EU of the European Parliament 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 the joint JEDEC/ECA JS-709A requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

Signature

Signature Intel Product Ecology

RoHS Substance Group (IEC 62474)	Reportable Application	Reporting Threshold	Above the threshold? Y/N	Substance Mass% of homogeneous layer	Homogeneous material name	Homogeneous Material Mass% of product part	Material Class ID	Exemption	Comments
Cadmium/Cadmium compounds	All, except batteries	0.01 mass% of total Cd in homogenous material	No	0.0000					
Chromium (VI) Compounds	All	0.1 mass% of total Cr+6 in homogenous material	No	0.0000					
Lead/Lead Compounds	All, except for batteries, cables and children's articles/toys	0.1 mass% of total Pb in homogenous material	No	0.0000					
Mercury/Mercury Compounds	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material	No	0.0000					
Polybrominated Biphenyls (PBBs)	All	0.1 mass% in homogenous material	No	0.0000					
Polybrominated Diphenylethers (PBDEs)	All	0.1 mass% in homogenous material	No	0.0000					

IEC Substance Group (IEC 62474)	Substance	Reportable Application	Reporting Threshold	Above the threshold? Y/N	Substance Mass% of product part	Authority	Number	Comments
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	All	0.1 mass%	No		CAS	71888-89-6	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	All	0.1 mass%	No		CAS	68515-42-4	
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	All	0.1 mass%	No		CAS	140-66-9	
4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	All	0.1 mass%	No		CAS	548-62-9	
Asbestos	Asbestos	All	Intentionally added	No				
Azocolourants and azodyes which form certain aromatic amines	Azocolourants and azodyes which form certain aromatic amines	Textiles and Leather	0.003% by weight of the finished textile/leather product	No				
Benzylbutylphthalate (BBP)	Benzylbutylphthalate (BBP)	All	0.1 mass%	No		CAS	85-68-7	
Beryllium Oxide	Beryllium Oxide	All	0.1 mass%	No		CAS	1304-56-9	
Bis(2-methoxyethyl) ether	Bis(2-methoxyethyl) ether	All	0.1 mass%	No		CAS	111-96-6	
Bis(2-methoxyethyl) phthalate	Bis(2-methoxyethyl) phthalate	All	0.1 mass%	No		CAS	117-82-8	
Boric acid	Boric acid	All	0.1 mass%	No				
Brominated Flame Retardants (BFR) - other	Brominated Flame Retardants (BFR) - other	Plastic materials except printed wiring board laminates	0.1 mass% of bromine	No				
Brominated Flame Retardants (BFR) - other	Brominated Flame Retardants (BFR) - other	Printed wiring board laminate	0.09 mass% total bromine content in laminate	No				
Cadmium/Cadmium compounds	Cadmium/Cadmium compounds	Batteries	0.001% by weight of battery	No				
Chlorinated Flame Retardants (CFR)	Chlorinated Flame Retardants (CFR)	Plastic materials except printed wiring board laminates	0.1 mass% chlorine	No				
Chlorinated Flame Retardants (CFR)	Chlorinated Flame Retardants (CFR)	Printed Wiring Board (PWB) Laminates	0.09 mass% total chlorine content in laminate	No				
Cobalt Dichloride	Cobalt Dichloride	All	0.1 mass%	No		CAS	7646-79-9	
Di(2-ethylhexyl)phthalate (DEHP)	Di(2-ethylhexyl)phthalate (DEHP)	All	0.1 mass%	No		CAS	117-81-7	
Diarsenic pentoxide	Diarsenic pentoxide	All	0.1 mass%	No		CAS	1303-28-2	
Diarsenic trioxide	Diarsenic trioxide	All	0.1 mass%	No		CAS	1327-53-3	
Dibutylphthalate (DBP)	Dibutylphthalate (DBP)	All	0.1 mass%	No		CAS	84-74-2	
Dibutyltin (DBT) compounds	Dibutyltin (DBT) compounds	All	0.1 mass% of the part	No				
Diisobutyl phthalate (DIBP)	Diisobutyl phthalate (DIBP)	All	0.1 mass%	No		CAS	84-69-5	
Di-isodecyl phthalate (DIDP)	Di-isodecyl phthalate (DIDP)	Cords, cables, wires, etc. with external exposure risk	0.1 Mass %	No		CAS	68515-49-1/26761-40-0	
Dimethyl Fumarate (DMF)	Dimethyl Fumarate (DMF)	All	0.00001 mass% of the part	No		CAS	624-49-7	
Di-n-hexyl phthalate (DnHP)	Di-n-hexyl phthalate (DnHP)	Cords, cables, wires, etc. with external exposure risk	0.1 Mass %	No		CAS	84-75-3	
Dioctyltin (DOT) compounds	Dioctyltin (DOT) compounds	(a) textile and leather articles intended to come into contact with the skin,(b) childcare articles(c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 mass% of the part	No				

Disodium tetraborates	Disodium tetraborates	All	0.1 mass%	No				
Fluorinated Greenhouse Gases (PFC, SF6, HFC)	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	All	Intentionally Added	No				
Formaldehyde	Formaldehyde	Textiles	0.0075 mass % of textile	No		CAS	50-00-0	
Hexabromocyclododecane (HBCDD) and all major diastereoisomers	Hexabromocyclododecane (HBCDD) and all major diastereoisomers	All	0.1 mass%	No				
Lead (II) chromate	Lead (II) chromate	All	0.1 mass%	No		CAS	7758-97-6	
Lead chromate molybdate sulphate red	Lead chromate molybdate sulphate red	All	0.1 mass%	No		CAS	12656-85-8	
Lead sulfochromate yellow	Lead sulfochromate yellow	All	0.1 mass%	No		CAS	1344-37-2	
Lead/Lead Compounds	Lead/Lead Compounds	Batteries	0.004 mass% of battery	No				
Lead/Lead Compounds	Lead/Lead Compounds	Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material	No				
Lead/Lead Compounds	Lead/Lead Compounds	Consumer products designed or intended primarily for children 12 years of age or younger	0.03 mass%	No				
Lead/Lead Compounds	Lead/Lead Compounds	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 mass% of surface coating material	No				
Mercury/Mercury Compounds	Mercury/Mercury Compounds	Batteries	0.0001 mass% of battery	No				
Nickel	Nickel	All, where prolonged skin contact is expected	Intentionally Added	No		CAS	7440-02-0	
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	All	Intentionally Added	No				
Pentazinc chromate octahydroxide	Pentazinc chromate octahydroxide	All	0.1 mass%	No		CAS	49663-84-5	
Perchlorates	Perchlorates	All	6 x 10 ^-7 mass%	No				
Perfluorooctane sulfonates (PFOS)	Perfluorooctane sulfonates (PFOS)	All	Intentionally added or 0.1mass% in material	No				
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethlethyl)-	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethlethyl)-	All	Intentionally added	No		CAS	3846-71-7	
Phthalates, Selected Group 1 (BBP, DBP, DEHP)	Phthalates, Selected Group 1 (BBP, DBP, DEHP)	Children's toy or child care article	0.1 mass% as the sum of the phthalate concentrations in plasticized material	No				
Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	Children's toy or child care article that can be placed in a child's mouth	0.1 mass% as the sum of the phthalate concentrations in plasticized material	No				
Polychlorinated Biphenyls (PCBs) and specific substitutes	Polychlorinated Biphenyls (PCBs) and specific substitutes	All	Intentionally added	No				
Polychlorinated Naphthalenes (PCNs)	Polychlorinated Naphthalenes (PCNs)	All	Intentionally added	No				
Polychlorinated Terphenyls (PCTs)	Polychlorinated Terphenyls (PCTs)	All	0.005 mass% in material	No				
Potassium hydroxyoctaoxodizincate dichromate	Potassium hydroxyoctaoxodizincate dichromate	All	0.1 mass%	No		CAS	11103-86-9	
Radioactive substances	Radioactive substances	All	Intentionally added	No				
Refractory Ceramic Fibres (RCF), Aluminosilicate	Refractory Ceramic Fibres (RCF), Aluminosilicate	All	0.1 mass %	No				
Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate	Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate	All	0.1 mass %	No				
Shortchain Chlorinated Paraffins (C10 – C13)	Shortchain Chlorinated Paraffins (C10 – C13)	All	0.1 mass%	No				
Strontium chromate	Strontium chromate	All	0.1 mass%	No		CAS	7789-06-2	
Tributyl Tin Oxide (TBTO)	Tributyl Tin Oxide (TBTO)	All	Intentionally added or 0.1 mass%	No		CAS	56-35-9	
Tris (2-chloroethyl) phosphate (TCEP)	Tris (2-chloroethyl) phosphate (TCEP)	All	0.1 mass%	No		CAS	115-96-8	
Tri-substituted organostannic compounds	Tri-substituted organostannic compounds	All	Intentionally added or 0.1 mass% of the part	No				