

Supplier Information

Company Name*	Intel Corporation	Contact Name*	Alisha Peterson
Response Document ID	9545	Contact Title*	Intel Product Ecology
Company Unique ID	047897855	Contact Phone*	1-800-628-8686
Unique ID Authority	Dun and Bradstreet	Contact Email*	productecology@intel.com
Response Date*	8/13/2015		

Supplier Comments	<p>http://qdms.intel.com - Intel 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 Intel completes this form. Intel acknowledges that Customer will rely on this certification in determining the compliance of its products. Customer acknowledges that Intel may have relied on information provided by others in completing this form, and that Intel may not have independently verified such information. However, in situations where Intel has not independently verified information provided by others, Intel 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 Customer and the Intel 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 Intel's liability and the Customer's remedies for issues that arise regarding information the Intel provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Intel's Standard Terms and Conditions of Sale applicable to such part shall apply.</p>
--------------------------	--

Product(s)

Product Family Name: Broadwell						
Requester Item Number	Mfr Item Number*	Mfr Item Description	Effective Date*	Mass*	UOM*	Comment
	FC-LGA14A CM8066002* 2011L	FC-LGA14A 2011L	8/13/2015	51.0207	g	
	FC-LGA14A CM8066902* 2011L	FC-LGA14A 2011L	3/11/2016	47.3261	g	

Declaration

This product is Low Halogen (Components): Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.	True
Intel components as well as purchased components on the finished assembly meet the joint JEDEC/ECA JS-709A requirement.	
This product is Low Halogen (PCB): Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) in the PCB laminate. The replacement of halogenated flame retardants may not be better for the environment.	True
The PCB / substrate meet IEC 61249-2-21 requirements.	
This product is EU RoHS 2 (Directive 2011/65/EU) compliant.	True

Signature

Signature <input ",="" cn="Intel" corporation,="" ecology"="" o="Intel" product="" type="text" value="C=US, E=productecology@intel.com, OU="/>
--

RoHS

Homogeneous Material Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass %	Exemption	Comments
			Cadmium/Cadmium compounds	All, except batteries	0.01 mass% of total Cd in homogenous material	False			
			Chromium (VI) Compounds	All	0.1 mass% of total Cr+6 in homogenous material	False			
			Lead/Lead Compounds	All, except for batteries, cables and children's articles/toys	0.1 mass% of total Pb in homogenous material	False			
			Mercury/Mercury Compounds	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material	False			
			Polybrominated Biphenyls (PBBs)	All	0.1 mass% in homogenous material	False			
			Polybrominated Diphenylethers (PBDEs)	All	0.1 mass% in homogenous material	False			

Low Halogen

Homogeneous Material Name	Material Class ID	Material Mass%	Substance Group	Reportable Application	Reporting Threshold	Above Threshold?	Substance Mass% of	Comments
---------------------------	-------------------	----------------	-----------------	------------------------	---------------------	------------------	--------------------	----------

						(T/F)	Material	
			Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	Plastic materials except printed wiring board laminates	0.1 mass% of bromine in plastic materials	False		
			Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	Printed wiring board laminate	0.09 mass% total bromine content in laminate	False		
			Chlorinated Flame Retardants (CFR)	Plastic materials except printed wiring board laminates	0.1 mass% chlorine in plastic materials	False		
			Chlorinated Flame Retardants (CFR)	Printed Wiring Board (PWB) Laminates	0.09 mass% total chlorine content in laminate	False		

Other Declarable Substances

Substance Group	Substance	CAS #	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass (% of Product)	Comments
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]			All	0.1 mass%	False	0 %	
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)			All	Intentionally added or 0.1 mass%	False	0 %	
Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass %	False	0 %	
Asbestos			All	Intentionally added	False	0 %	

Azocolourants and azodyes which form certain aromatic amines			Textiles and Leather	0.003% by weight of the finished textile/leather product	False	0 %	
Cadmium/Cadmium compounds			Batteries	0.001% by weight of battery	False	0 %	
Dibutyltin (DBT) compounds			All	0.1 mass% of tin in the part	False	0 %	
Diocetyl tin (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 tin in the part	False	0 %	
Disodium tetraborates			All	0.1 mass%	False	0 %	
Fluorinated Greenhouse Gases (PFC, SF6, HFC)			All	Intentionally Added	False	0 %	
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane			All	Intentionally added or 0.1 mass%	False	0 %	
Hexahydromethylphthalic anhydride			All	0.1 mass%	False	0 %	
Lead/Lead Compounds			Consumer products designed or intended primarily for children 12 years of age or younger	0.01 mass%	False	0 %	
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	False	0 %	
Lead/Lead Compounds			Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material	False	0 %	

Lead/Lead Compounds			Batteries	0.004 mass% of battery	False	0 %	
Mercury/Mercury Compounds			Batteries	Intentionally added or 0.0001 mass% of battery	False	0 %	
Mercury/Mercury Compounds			Batteries	0.0005 mass% of total Hg in homogenous material	False	0 %	
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)			All	Intentionally Added	False	0 %	
Perchlorates			All	6×10^{-7} mass% of battery or product part	False	0 %	
Perfluorooctane sulfonates (PFOS)			Textiles or other coated materials.	Intentionally added or 1 microgram/m ² of coated material	False	0 %	
Perfluorooctane sulfonates (PFOS)			All except textiles or other coated materials.	Intentionally added or 0.1 mass% of the part (as the sum of PFOS)	False	0 %	
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			Textiles, photographic coatings applied to films, paper or printing plates and other coated consumer products.	1 microgram/m ² (as the sum of PFOA)	False	0 %	
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			All except textiles, photographic coatings applied to films, paper or printing plates and other coated consumer products.	0.1 mass% of the part (as the sum of PFOA)	False	0 %	
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	False	0 %	
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	False	0 %	
Polychlorinated Biphenyls (PCBs) and specific substitutes			All	Intentionally added	False	0 %	
Polychlorinated Naphthalenes (PCNs)			All	Intentionally added	False	0 %	
Polychlorinated Terphenyls (PCTs)			All	0.005 mass% in material	False	0 %	

Radioactive substances			All	Intentionally added	False	0 %	
Tri-substituted organostannic compounds			All	Intentionally added or 0.1 mass% of tin in the part	False	0 %	
Zirconia Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass %	False	0 %	
	[Phthalato(2-)]dioxotrilead	69011-06-9	All	0.1 mass%	False	0 %	
	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	All	0.1 mass%	False	0 %	
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	All	0.1 mass%	False	0 %	
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	All	0.1 mass%	False	0 %	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	All	0.1 mass%	False	0 %	
	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	All	0.1 mass%	False	0 %	
	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	All	0.1 mass%	False	0 %	
	1,2-Diethoxyethane	629-14-1	All	0.1 mass%	False	0 %	
	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	All	0.1 mass%	False	0 %	

	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	All	0.1 mass%	False	0 %	
	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	All	Intentionally added or 0.1 mass%	False	0 %	
	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	All	0.1 mass%	False	0 %	
	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	All	0.1 mass%	False	0 %	
	4-Aminoazobenzene	60-09-3	All	0.1 mass%	False	0 %	
	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	All	0.1 mass%	False	0 %	
	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene	68921-45-9	All	Intentionally added	False	0 %	
	Benzo[a]anthracene	56-55-3	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[a]anthracene	56-55-3	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[a]pyrene	50-32-8	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	

	Benzo[a]pyrene	50-32-8	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[b]fluoranthene	205-99-2	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[b]fluoranthene	205-99-2	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[e]pyrene	192-97-2	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[e]pyrene	192-97-2	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[j]fluoranthene	205-82-3	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[j]fluoranthene	205-82-3	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	

	Benzo[k]fluoranthene	207-08-9	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[k]fluoranthene	207-08-9	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzyl butyl phthalate (BBP)	85-68-7	All	0.1 mass%	False	0 %	
	Beryllium Oxide	1304-56-9	All	0.1 mass%	False	0 %	
	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	All	0.1 mass%	False	0 %	
	Bis(2-methoxyethyl) ether	111-96-6	All	0.1 mass%	False	0 %	
	Bis(2-methoxyethyl) phthalate	117-82-8	All	0.1 mass%	False	0 %	
	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	All	0.1 mass%	False	0 %	
	Bis(tributyltin) oxide (TBTO)	56-35-9	All	Intentionally added or 0.1 mass%	False	0 %	
	Boric Acid	10043-35-3 11113-50-1	All	0.1 mass%	False	0 %	
	Cadmium	7440-43-9	All	0.1 mass%	False	0 %	
	Cadmium oxide	1306-19-0	All	0.1 mass%	False	0 %	
	Cadmium sulphide	1306-23-6	All	0.1 mass%	False	0 %	
	Chrysen	218-01-9	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Chrysen	218-01-9	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	

	Cobalt dichloride	7646-79-9	All	0.1 mass%	False	0 %	
	Diarsenic pentoxide	1303-28-2	All	0.1 mass%	False	0 %	
	Diarsenic trioxide	1327-53-3	All	0.1 mass%	False	0 %	
	Dibenzo[a,h]anthracene	53-70-3	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Dibenzo[a,h]anthracene	53-70-3	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Diboron trioxide	1303-86-2	All	0.1 mass%	False	0 %	
	Dibutyl phthalate (DBP)	84-74-2	All	0.1 mass%	False	0 %	
	Dibutyltin dichloride (DBTC)	683-18-1	All	0.1 mass%	False	0 %	
	Diisobutyl phthalate	84-69-5	All	0.1 mass%	False	0 %	
	Di-isodecyl phthalate (DIDP)	68515-49-1 26761-40-0	All	Intentionally added	False	0 %	
	Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	All	Intentionally added	False	0 %	
	Diisopentylphthalate	605-50-5	All	0.1 mass%	False	0 %	
	Dimethyl Fumarate (DMF)	624-49-7	All	0.00001 mass% of the part	False	0 %	
	Di-n-hexyl Phthalate (DnHP)	84-75-3	All	Intentionally added or 0.1 mass%	False	0 %	
	Dioxobis(stearato)trilead	12578-12-0	All	0.1 mass%	False	0 %	
	Dipentyl phthalate (DPP)	131-18-0	All	0.1 mass%	False	0 %	
	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	All	0.1 mass%	False	0 %	

	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	All	0.1 mass%	False	0 %	
	Fatty acids, C16-18, lead salts	91031-62-8	All	0.1 mass%	False	0 %	
	Formaldehyde	50-00-0	Textiles	0.0075 mass % of textile	False	0 %	
	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	All	0.1 mass%	False	0 %	
	Lead chromate	7758-97-6	All	0.1 mass%	False	0 %	
	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	All	0.1 mass%	False	0 %	
	Lead cyanamidate	20837-86-9	All	0.1 mass%	False	0 %	
	Lead dinitrate	10099-74-8	All	0.1 mass%	False	0 %	
	Lead oxide sulfate	12036-76-9	All	0.1 mass%	False	0 %	
	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	All	0.1 mass%	False	0 %	
	Lead titanium trioxide	12060-00-3	All	0.1 mass%	False	0 %	
	Lead titanium zirconium oxide	12626-81-2	All	0.1 mass%	False	0 %	
	N,N-dimethylformamide	68-12-2	All	0.1 mass%	False	0 %	
	Nickel	7440-02-0	All, where prolonged skin contact is expected	Intentionally Added	False	0 %	
	N-pentyl-isopentylphthalate	776297-69-9	All	0.1 mass%	False	0 %	
	Orange lead (lead tetroxide)	1314-41-6	All	0.1 mass%	False	0 %	
	Pentadecafluorooctanoic acid (PFOA)	335-67-1	All	0.1 mass%	False	0 %	
	Pentalead tetraoxide sulphate	12065-90-6	All	0.1 mass%	False	0 %	
	Pentazinc chromate octahydroxide	49663-84-5	All	0.1 mass%	False	0 %	

	Potassium hydroxyoctaoxodizinc atedichromate	11103-86-9	All	0.1 mass%	False	0 %	
	Pyrochlore, antimony lead yellow	8012-00-8	All	0.1 mass%	False	0 %	
	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		All	0.1 mass%	False	0 %	
	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	All	0.1 mass%	False	0 %	
	Strontium chromate	7789-06-2	All	0.1 mass%	False	0 %	
	Sulfurous acid, lead salt, dibasic	62229-08-7	All	0.1 mass%	False	0 %	
	Tetralead trioxide sulphate	12202-17-4	All	0.1 mass%	False	0 %	
	Trilead dioxide phosphonate	12141-20-7	All	0.1 mass%	False	0 %	
	Tris(2-chloroethyl)phosphate	115-96-8	All	0.1 mass%	False	0 %	
	Trixylyl phosphate	25155-23-1	All	0.1 mass%	False	0 %	