

# Material Data Declaration Sheet - v003

Schema Database Version: IEC 62474 X6.01

Substance Database Version: IEC 62474 D19.00



## Supplier Information

<b>Company Name *</b>	Intel Corporation
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**Product(s)**

**Product Family Name:**

Requester Item Number	Item Number *	Description	Effective Date *	Mass *	UoM*	Comment
	E810XXVDA4LG1P5979091	E810XXVDA4LG1P5979091	2020-10-16	123.080	g	

## Declaration

PVC	This product does not contain PVC	True
SVHC	Product Contains REACH SVHC above .1% of article	False
RoHS.Compliant	Product is compliant with EU RoHS Directive 2 2011/65/EU (Directive 2011/65/EU) and its amendments (e.g. 2015/863/EU)	True

## Signature

Intel Product  
Ecology

C=US, E=productecology@intel.com, OU="", O=Intel Corporation, CN=Intel Product Ecology

Part ID	Description	# of Units	Part Mass %
E810XXVDA4LG1P597909	E810XXVDA4LG1P597909	1	100.00

### RoHS

Homogenous Material Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass % of HM	Exemption	Comments
			Benzyl butyl phthalate (BBP)	All	0.1 mass% in homogenous material	false			
			Bis (2-ethylhexyl)phthalate (DEHP)	All	0.1 mass% in homogenous material	false			
			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			
			Dibutyl phthalate (DBP)	All	0.1 mass% in homogenous material	false			
			Diisobutyl phthalate	All	0.1 mass% in homogenous material	false			
			Lead/Lead Compounds	All, except for: 1. batteries, 2. surface coating material of	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	false			
			Polybrominated biphenyls (PBB)	All	0.1 mass% in homogenous material	false			
			Polybrominated diphenyl ethers (PBDE)	All	0.1 mass% in homogenous material	false			

### Low Halogen

Homogenous Material Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass % of HM	Comments
			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)	Printed Wiring Board (PWB) Laminates	0.09 mass% total chlorine content in laminate	false		
	M-012		PVC			false		

#### Other Declarable Substances

Substance Group	Substance	CAS #	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass (% of Article)	Comments
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.			All	0.1 mass% of article	false		
4-Nonylphenol, branched and linear, ethoxylated			All	0.1 mass% of article	false		
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)			All	Intentionally added or 0.1 mass% of article	false		
Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	false		
Asbestos			All	Intentionally added	false		
Azocolourants and Azodyes which form certain aromatic amines			Textiles and Leather	0.003% by weight of the finished textile/leather product	false		
Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)			Printed wiring board laminate	0.09 mass% total bromine content in laminate	false		
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		
Cadmium/Cadmium compounds			Batteries	0.001% by weight of battery	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		
Dibutyltin (DBT) compounds			All	0.1 mass% of tin in the part	false		

Diocetyl tin (DOT) compounds			(a) textile and leather articles intended to come into contact with	0.1 mass% of tin in the part	false		
Disodium tetraborate, anhydrous			All	0.1 mass% of article	false		
Fluorinated Greenhouse Gases (PFC, SF6, HFC)			All	Intentionally Added	false		
Hexabromocyclododecane (HBCDD)			All	Intentionally added or 0.01 mass% of article	false		
Hexahydrodithalpic anhydride			All	0.1 mass% of article	false		
Lead/Lead Compounds			Consumer products designed or intended primarily for children 12	0.01 mass%	false		
Lead/Lead Compounds			Paint and similar surface coatings of toys and other articles intended	0.009 mass% of surface coating material	false		
Lead/Lead Compounds			Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material	false		
Lead/Lead Compounds			Batteries	0.004 mass% of battery	false		
Mercury/Mercury Compounds			Batteries	Intentionally added or 0.0001 mass% of battery	false		
Mercury/Mercury Compounds			Batteries	0.0005 mass% of total Hg in homogenous material	false		
Nickel/Nickel Compounds			All, where prolonged skin contact is expected	Intentionally Added	false		
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium			All	0.1 mass% of article	false		
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)			All	Intentionally Added	false		
Perchlorates			All	6 x 10 <sup>-7</sup> mass% of battery or product part	false		
Perfluorobutane sulfonic acid (PFBS) and its salts			All	0.1 mass% of article	false		

Perfluorohexane-1-sulphonic acid and its salts			All	0.1 mass% of article	false		
Perfluorononane-1-oic acid and its sodium and ammonium salts			All	0.1 mass% of article	false		
Perfluorooctane sulfonates (PFOS)			Textiles or other coated materials.	Intentionally added or 1 microgram/m <sup>2</sup> of coated material	false		
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		
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			Textiles, photographic coatings applied to films, paper or printing plates	1 microgram/m <sup>2</sup> (as the sum of PFOA)	false		
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			All except textiles, photographic coatings applied to films, paper or	0.1 mass% of the part (as the sum of PFOA)	false		
Perfluorooctanoic acid and its salts			All	0.000025 mass% of PFOA including its salts in article or mixture	false		
PFOA-related substances			All	0.0001 mass% of one or a combination of PFOA-related substances,	false		
Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)			Children's toy or child care article	0.1 mass% as the sum of the phthalate concentrations in	false		
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	false		
Polychlorinated Biphenyls (PCBs) and specific substitutes			All	Intentionally added	false		
Polychlorinated naphthalenes			All	Intentionally added	false		
Polychlorinated Terphenyls (PCTs)			All	0.005 mass% in material	false		
Radioactive substances			All	Intentionally added	false		
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥			All	0.1 mass% of article	false		
Tri-substituted organostannic compounds			All	Intentionally added or 0.1 mass% of tin in the part	false		

Zirconia Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	false		
	[Phthalato(2-)]dioxotrilead	69011-06-9	All	0.1 mass% of article	false	0.00	
	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl	68515-51-5; 68648-93-1	All	0.1 mass% of article	false	0.00	
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	All	0.1 mass% of article	false	0.00	
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	All	0.1 mass% of article	false	0.00	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	All	0.1 mass% of article	false	0.00	
	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	All	0.1 mass% of article	false	0.00	
	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	All	0.1 mass% of article	false	0.00	
	1,2-diethoxyethane	629-14-1	All	0.1 mass% of article	false	0.00	
	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	All	0.1 mass% of article	false	0.00	
	1,3-propanesultone	1120-71-4	All	0.1 mass% of article	false	0.00	
	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	All	0.1 mass% of article	false	0.00	
	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	All	0.1 mass% of article	false	0.00	
	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	All	0.1 mass% of article	false	0.00	
	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	All	0.1 mass% of article	false	0.00	
	2-benzotriazol-2-yl-4,6-ditert-butylphenol (UV-320)	3846-71-7	All	Intentionally added or 0.1 mass% of article	false	0.00	



2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo 8-oxa-3,5-dithia-4-stanna	15571-58-1	All	0.1 mass% of article	false	0.00
4-(1,1,3,3-tetramethylbut yl)phenol	140-66-9	All	0.1 mass% of article	false	0.00
4,4'-isopropylidenediphe nol	80-05-7	All	Intentionally added or 0.1 mass% of article	false	0.00
4-aminoazobenzene	60-09-3	All	0.1 mass% of article	false	0.00
Ammonium pentadecafluorooctanoat e (APFO)	3825-26-1	All	0.1 mass% of article	false	0.00
Benz[a]anthracene	56-55-3	All	0.1 mass% of article	false	0.00
Benzo[a]anthracene (BaA)	56-55-3	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00
Benzo[a]anthracene (BaA)	56-55-3	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00
Benzo[a]pyrene (BaP)	50-32-8	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00
Benzo[a]pyrene (BaP)	50-32-8	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00
Benzo[b]fluoranthene (BbFA)	205-99-2	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00
Benzo[b]fluoranthene (BbFA)	205-99-2	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	All	0.1 mass% of article	false	0.00
Benzo[e]pyrene (BeP)	192-97-2	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00
Benzo[e]pyrene (BeP)	192-97-2	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00
Benzo[ghi]perylene	191-24-2	All	0.1 mass% of article	false	0.00

	Benzo[j]fluoranthene (BjFA)	205-82-3	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00	
	Benzo[j]fluoranthene (BjFA)	205-82-3	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00	
	Benzo[k]fluoranthene	207-08-9	All	0.1 mass% of article	false	0.00	
	Benzo[k]fluoranthene (BkFA)	207-08-9	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00	
	Benzo[k]fluoranthene (BkFA)	207-08-9	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00	
	Benzyl butyl phthalate (BBP)	85-68-7	All	0.1 mass% in homogenous material	false	0.00	
	Beryllium Oxide	1304-56-9	All	0.1 mass%	false	0.00	
	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	All	0.1 mass% in homogenous material	false	0.00	
	Bis(2-methoxyethyl) ether	111-96-6	All	0.1 mass% of article	false	0.00	
	Bis(2-methoxyethyl) phthalate	117-82-8	All	0.1 mass% of article	false	0.00	
	Bis(pentabromophenyl) ether (decabromodiphenyl	1163-19-5	All	0.1 mass% of article	false	0.00	
	Bis(tributyltin) oxide (TBTO)	56-35-9	All	Intentionally added or 0.1 mass% of article	false	0.00	
	Boric acid	10043-35-3; 11113-50-1	All	0.1 mass% of article	false	0.00	
	Cadmium	7440-43-9	All	0.1 mass% of article	false	0.00	
	Cadmium hydroxide	21041-95-2	All	0.1 mass% of article	false	0.00	
	Cadmium oxide	1306-19-0	All	0.1 mass% of article	false	0.00	

	Cadmium sulphide	1306-23-6	All	0.1 mass% of article	false	0.00	
	Chrysen (CHR)	218-01-9	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00	
	Chrysen (CHR)	218-01-9	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00	
	Chrysene	218-01-9	All	0.1 mass% of article	false	0.00	
	Cobalt dichloride	7646-79-9	All	0.1 mass% of article	false	0.00	
	Decamethylcyclopentasil oxane	541-02-6	All	0.1 mass% of article	false	0.00	
	Diarsenic pentoxide	1303-28-2	All	0.1 mass% of article	false	0.00	
	Diarsenic trioxide	1327-53-3	All	0.1 mass% of article	false	0.00	
	Dibenzo[a,h]anthracene (DBAhA)	53-70-3	Rubber or plastic parts that come into direct, prolonged or repetitive	0.0001 mass% of the plastic or rubber part	false	0.00	
	Dibenzo[a,h]anthracene (DBAhA)	53-70-3	Rubber or plastic parts of toys and childcare articles that come into	0.00005 mass% of the plastic or rubber part	false	0.00	
	Diboron trioxide	1303-86-2	All	0.1 mass% of article	false	0.00	
	Dibutyl phthalate (DBP)	84-74-2	All	0.1 mass% in homogenous material	false	0.00	
	Dibutyltin dichloride (DBTC)	683-18-1	All	0.1 mass% of article	false	0.00	
	Dicyclohexyl phthalate	84-61-7	All	0.1 mass% of article	false	0.00	
	Diisobutyl phthalate	84-69-5	All	0.1 mass% in homogenous material	false	0.00	
	Di-isodecyl phthalate (DIDP)	68515-49-1; 26761-40-0	All	Intentionally added	false	0.00	

	Diisohexyl phthalate	71850-09-4	All	0.1 mass% of article	false	0.00
	Diisononyl phthalate (DINP)	28553-12-0; 68515-48-0	All	Intentionally added	false	0.00
	Diisopentyl phthalate	605-50-5	All	0.1 mass% of article	false	0.00
	Dimethylfumarate (DMF)	624-49-7	All	0.00001 mass% of the part	false	0.00
	Di-n-hexyl phthalate (DnHP)	84-75-3	All	Intentionally added or 0.1 mass% of article	false	0.00
	Dioxobis(stearato)trilead	12578-12-0	All	0.1 mass% of article	false	0.00
	Dipentyl phthalate (DPP)	131-18-0	All	0.1 mass% of article	false	0.00
	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminona	573-58-0	All	0.1 mass% of article	false	0.00
	Disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo][1,1'-biphe	1937-37-7	All	0.1 mass% of article	false	0.00
	Disodium octaborate	12008-41-2	All	0.1 mass% of article	false	0.00
	Dodecamethylcyclohexasiloxane	540-97-6	All	0.1 mass% of article	false	0.00
	Fatty acids, C16-18, lead salts	91031-62-8	All	0.1 mass% of article	false	0.00
	Fluoranthene	206-44-0	All	0.1 mass% of article	false	0.00
	Formaldehyde	50-00-0	Textiles	0.0075 mass % of textile	false	0.00
	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	All	0.1 mass% of article	false	0.00
	Lead	7439-92-1	All	0.1 mass% of article	false	0.00

	Lead chromate	7758-97-6	All	0.1 mass% of article	false	0.00
	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	All	0.1 mass% of article	false	0.00
	Lead cyanamidate	20837-86-9	All	0.1 mass% of article	false	0.00
	Lead dinitrate	10099-74-8	All	0.1 mass% of article	false	0.00
	Lead oxide sulfate	12036-76-9	All	0.1 mass% of article	false	0.00
	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	All	0.1 mass% of article	false	0.00
	Lead titanium trioxide	12060-00-3	All	0.1 mass% of article	false	0.00
	Lead titanium zirconium oxide	12626-81-2	All	0.1 mass% of article	false	0.00
	N,N-dimethylformamide	68-12-2	All	0.1 mass% of article	false	0.00
	N-pentyl-isopentylphthalate	776297-69-9	All	0.1 mass% of article	false	0.00
	Octamethylcyclotetrasiloxane	556-67-2	All	0.1 mass% of article	false	0.00
	Orange lead (lead tetroxide)	1314-41-6	All	0.1 mass% of article	false	0.00
	Pentadecafluorooctanoic acid (PFOA)	335-67-1	All	0.1 mass% of article	false	0.00
	Pentalead tetraoxide sulphate	12065-90-6	All	0.1 mass% of article	false	0.00
	Pentazinc chromate octahydroxide	49663-84-5	All	0.1 mass% of article	false	0.00
	Phenanthrene	85-01-8	All	0.1 mass% of article	false	0.00

Potassium hydroxyoctaoxidizincate dichromate	11103-86-9	All	0.1 mass% of article	false	0.00
Pyrene	129-00-0	All	0.1 mass% of article	false	0.00
Pyrochlore, antimony lead yellow	8012-00-8	All	0.1 mass% of article	false	0.00
Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo		All	0.1 mass% of article	false	0.00
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	68784-75-8	All	0.1 mass% of article	false	0.00
Strontium chromate	7789-06-2	All	0.1 mass% of article	false	0.00
Sulfurous acid, lead salt, dibasic	62229-08-7	All	0.1 mass% of article	false	0.00
Terphenyl, hydrogenated	61788-32-7	All	0.1 mass% of article	false	0.00
Tetraboron disodium heptaoxide, hydrate	12267-73-1	All	0.1 mass% of article	false	0.00
Tetralead trioxide sulphate	12202-17-4	All	0.1 mass% of article	false	0.00
Trilead dioxide phosphonate	12141-20-7	All	0.1 mass% of article	false	0.00
Tris(2-chloroethyl) phosphate	115-96-8	All	0.1 mass% of article	false	0.00
Trixylyl phosphate	25155-23-1	All	0.1 mass% of article	false	0.00