

## Material Data Declaration Sheet - v003

Schema Database Version: IEC 62474 X6.01

Substance Database Version: IEC 62474 D12.00



### Supplier Information

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**Product(s)**

Product Family Name:

Requester Item						
Number	Item Number *	Description	Effective Date *	Mass *	UoM*	Comment
	X557T2OCPG1P5	X557T2OCPG1P5	2017-04-24	86.183	g	

**Declaration**

LHPWB	This product is Low Halogen (PCB): Applies Br/Cl in the PCB Laminate. The PCB / Substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants may not be better for the environment	True
PVC	This product does not contain PVC	True
SVHC	Product Contains REACH SVHC above .1% of article	False
RoHS.Compliant	Product Meets EU ROHS Requirements	True

**Signature**

Intel Product  
Ecology

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

**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
			Cadmium/Cadmium compounds	All, except batteries	0.01 mass% of total Cr	false			
			Chromium (VI) Compounds	All	0.1 mass% of total Cr	false			
			Lead/Lead Compounds	All, except for batteries,	0.1 mass% of total Pb	false			
			Mercury/Mercury Compounds	All, except batteries	Intentionally Added or	false			
			Polybrominated Biphenyls	All	0.1 mass% in homoge	false			
			Polybrominated Diphenyls	All	0.1 mass% in homoge	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	Printed wiring board laminae	0.09 mass% total bromine	false		
			Brominated flame retardants	Plastic materials except pipes	0.1 mass% of bromine	false		
			Chlorinated Flame Retardants	Plastic materials except pipes	0.1 mass% chlorine in flame	false		
			Chlorinated Flame Retardants	Printed Wiring Board (PWB)	0.09 mass% total chlorine	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
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	false	
Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	false		
Asbestos			All	Intentionally added	false		
Cadmium/Cadmium compounds			Batteries	0.001% by weight of battery	false		
Dibutyltin (DBT) compounds			All	0.1 mass% of tin in the paste	false		
Diocetyl tin (DOT) compounds			(a) textile and leather articles	0.1 mass% of tin in the paste	false		
Disodium tetraborates			All	0.1 mass% of article	false		
Fluorinated Greenhouse Gases (PFC, SF6, HFC)			All	Intentionally Added	false		
Hexabromocyclododecane (HBCDD) and all major diastereoisomers			All	Intentionally added or	0.1	false	
Hexahydrodipthalic anhydride			All	0.1 mass% of article	false		
Lead/Lead Compounds			Consumer products designed for	0.01 mass%	false		
Lead/Lead Compounds			Batteries	0.004 mass% of battery	false		
Mercury/Mercury Compounds			Batteries	Intentionally added or	0.0	false	
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)			All	Intentionally Added	false		
Perchlorates			All	6 x 10 <sup>-7</sup> mass% of battery	false		
Perfluorononane-1-oic acid and its sodium and ammonium salts			All	0.1 mass% of article	false		
Polychlorinated Biphenyls (PCBs) and specific substitutes			All	Intentionally added	false		
Polychlorinated Naphthalenes (PCNs)			All	Intentionally added	false		
Radioactive substances			All	Intentionally added	false		
Tri-substituted organostannic compounds			All	Intentionally added or	0.1	false	
Zirconia Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	false		
	[Phthalato(2-)]dioxotriole	69011-06-9	Heat stabilizer for plastic	0.1 mass% of article	false		
	1,2-benzenedicarboxylic acid	68515-51-5, 686	Plasticisers, lubricants, ad	0.1 mass% of article	false		
	1,2-Benzenedicarboxylic acid	71888-89-6	Plasticizer, dye, pigment,	0.1 mass% of article	false		
	1,2-Benzenedicarboxylic acid	68515-42-4	Plasticizer, dye, pigment,	0.1 mass% of article	false		
	1,2-Benzenedicarboxylic acid	68515-50-4	Used as a plasticizer for c	0.1 mass% of article	false		

1,2-Benzenedicarboxylic acid	84777-06-0	Plasticizer in plastic mate	0.1 mass% of article	false
1,2-bis(2-methoxyethoxy)	112-49-2	Solvent may be used in br	0.1 mass% of article	false
1,2-Diethoxyethane	629-14-1	Solvent used in electrolyt	0.1 mass% of article	false
1,2-dimethoxyethane; eth	110-71-4	Solvent used in battery el	0.1 mass% of article	false
1,3-propanesultone	1120-71-4	Electrolyte fluid of rechar	0.1 mass% of article	false
2-(2H-benzotriazol-2-yl)-4	36437-37-3	UV stabilizer	0.1 mass% of article	false
2-(2H-benzotriazol-2-yl)-4,	25973-55-1	UV stabilizer	0.1 mass% of article	false
2,4-di-tert-butyl-6-(5-chlor	3864-99-1	UV stabilizer	0.1 mass% of article	false
2-benzotriazol-2-yl-4,6-di-	3846-71-7	UV-stabilizer in adhesives	Intentionally added or 0.1	false
2-ethylhexyl 10-ethyl-4,4-t	15571-58-1	PVC stabilizer	0.1 mass% of article	false
4-(1,1,3,3-tetramethylbutyl	140-66-9	Unreacted process chemi	0.1 mass% of article	false
4-Aminoazobenzene	60-09-3	Used as yellow pigment a	0.1 mass% of article	false
Ammonium pentadecafluor	3825-26-1	APFO is used as an emuls	0.1 mass% of article	false
Benzenamine, N-phenyl-,	68921-45-9	Lubricating agent in motc	Intentionally added	false
Benzo[a]anthracene	56-55-3	Impurities in carbon black	0.00005 mass% of the pla	false
Benzo[a]anthracene	56-55-3	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[a]pyrene	50-32-8	Impurities in carbon black	0.00005 mass% of the pla	false
Benzo[a]pyrene	50-32-8	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[b]fluoranthene	205-99-2	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[b]fluoranthene	205-99-2	Impurities in carbon black	0.00005 mass% of the pla	false
Benzo[def]chrysene	50-32-8	Impurities in carbon black	0.1 mass% of article	false
Benzo[e]pyrene	192-97-2	Impurities in carbon black	0.00005 mass% of the pla	false
Benzo[e]pyrene	192-97-2	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[j]fluoranthene	205-82-3	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[j]fluoranthene	205-82-3	Impurities in carbon black	0.00005 mass% of the pla	false
Benzo[k]fluoranthene	207-08-9	Impurities in carbon black	0.0001 mass% of the plas	false
Benzo[k]fluoranthene	207-08-9	Impurities in carbon black	0.00005 mass% of the pla	false
Benzyl butyl phthalate (BB	85-68-7	Plasticizer, dye, pigment,	0.1 mass% in homogenou	false
Beryllium Oxide	1304-56-9	Ceramics	0.1 mass%	false
Bis(2-ethylhexyl)phthalat	117-81-7	Plasticizer, dye, pigment,	0.1 mass% in homogenou	false
Bis(2-methoxyethyl) ether	111-96-6	Electrolyte in lithium batt	0.1 mass% of article	false
Bis(2-methoxyethyl) phth	117-82-8	Plasticizer	0.1 mass% of article	false
Bis(pentabromophenyl) et	1163-19-5	Flame retardant	0.1 mass% of article	false
Bis(tributyltin) oxide (TBT	56-35-9	Antiseptic, antifungal age	Intentionally added or 0.1	false
Boric Acid	10043-35-3, 111	In wood veneers/ pressec	0.1 mass% of article	false
Cadmium	7440-43-9	Pigments, anti-corrosion	0.1 mass% of article	false
Cadmium oxide	1306-19-0	Relay contact; photodi	0.1 mass% of article	false
Cadmium sulphide	1306-23-6	Used in photo-resistors, s	0.1 mass% of article	false
Chrysen	218-01-9	Impurities in carbon black	0.0001 mass% of the plas	false
Chrysen	218-01-9	Impurities in carbon black	0.00005 mass% of the pla	false
Cobalt dichloride	7646-79-9	Pneumatic panels to indic	0.1 mass% of article	false
Diarsenic pentoxide	1303-28-2	Additive in wood, metal,	0.1 mass% of article	false
Diarsenic trioxide	1327-53-3	Additive in wood, metal,	0.1 mass% of article	false
Dibenzo[a,h]anthracene	53-70-3	Impurities in carbon black	0.0001 mass% of the plas	false
Dibenzo[a,h]anthracene	53-70-3	Impurities in carbon black	0.00005 mass% of the pla	false
Diboron trioxide	1303-86-2	Found in wood veneers, g	0.1 mass% of article	false
Dibutyl phthalate (DBP)	84-74-2	Plasticizer, dye, pigment,	0.1 mass% in homogenou	false
Dibutyltin dichloride (DBT	683-18-1	Ingredient in some paint	0.1 mass% of article	false
Diisobutyl phthalate	84-69-5	Plasticizer, dye, pigment,	0.1 mass% in homogenou	false
Di-isodecyl phthalate (DID	68515-49-1, 267	Plasticizer, dye, pigment,	Intentionally added	false
Diisononyl phthalate (DIN	28553-12-0, 685	Used as a plasticizer for P	Intentionally added	false
Diisopentylphthalate	605-50-5	Plasticizer in plastic mate	0.1 mass% of article	false
Dimethyl Fumarate (DMF)	624-49-7	Biocide, mold prevention	0.00001 mass% of the pa	false
Di-n-hexyl Phthalate (DnH	84-75-3	Plasticizer, dye, pigment,	Intentionally added or 0.1	false
Dioxobis(stearato)trilead	12578-12-0	Heat stabilizer for plastic	0.1 mass% of article	false
Dipentyl phthalate (DPP)	131-18-0	Plasticizer in PVC and nitr	0.1 mass% of article	false
Disodium 3,3'-[1,1'-biphe	573-58-0	Dye for textiles and paper	0.1 mass% of article	false

Disodium 4-amino-3-[[4'-[1937-37-7	Used in ink for printers	0.1 mass% of article	false
Fatty acids, C16-18, lead s 91031-62-8	Heat stabilizer for plastic:	0.1 mass% of article	false
Formaldehyde 50-00-0	Textiles	0.0075 mass % of textile	false
Imidazolidine-2-thione; (2 96-45-7	used as a catalyst in some	0.1 mass% of article	false
Lead chromate 7758-97-6	Colorant in plastics; Color	0.1 mass% of article	false
Lead chromate molybdate 12656-85-8	Colorant in plastics; Color	0.1 mass% of article	false
Lead cyanamidate 20837-86-6	Used in anticorrosion coa	0.1 mass% of article	false
Lead dinitrate 10099-74-8	Heat stabilizer in nylon ar	0.1 mass% of article	false
Lead oxide sulfate 12036-76-9	Heat stabilizer for PVC us	0.1 mass% of article	false
Lead sulfochromate yellow 1344-37-2	Colorant in plastics; Color	0.1 mass% of article	false
Lead titanium trioxide 12060-00-3	In piezoelectric compone	0.1 mass% of article	false
Lead titanium zirconium o 12626-81-2	In piezoelectric compone	0.1 mass% of article	false
N,N-dimethylformamide 68-12-2	Used as electrolyte in ele	0.1 mass% of article	false
Nickel 7440-02-0	Stainless steel, plating; Ex	Intentionally Added	false
N-pentyl-isopentylphthala 776297-69-9	Plasticizer in plastic mate	0.1 mass% of article	false
Orange lead (lead tetroxid 1314-41-6	Used in rust-proof primer	0.1 mass% of article	false
Pentadecafluorooctanoic ;335-67-1	PFOA is used as an emuls	0.1 mass% of article	false
Pentalead tetraoxide sulpl 12065-90-6	Heat stabilizer for plastic:	0.1 mass% of article	false
Pentazinc chromate octah 49663-84-5	Colorant	0.1 mass% of article	false
Potassium hydroxyoctaoxi 11103-86-9	Paint, anti-corrosion	0.1 mass% of article	false
Pyrochlore, antimony lead 8012-00-8	Used as yellow pigment fi	0.1 mass% of article	false
reaction mass of 2-ethylhexyl 10-ethyl-4,4-	PVC stabilizer	0.1 mass% of article	false
Silicic acid (H2Si2O5), bari 68784-75-8	Used in UV emitting light	0.1 mass% of article	false
Strontium chromate 7789-06-2	Pigment; corrosion resist:	0.1 mass% of article	false
Sulfurous acid, lead salt, d 62229-08-7	Heat stabilizer for PVC, fo	0.1 mass% of article	false
Tetralead trioxide sulphat 12202-17-4	Heat stabilizer for PVC, fo	0.1 mass% of article	false
Trilead dioxide phosphonε 12141-20-7	Heat stabilizer for PVC, fo	0.1 mass% of article	false
Tris(2-chloroethyl)phosph 115-96-8	Flame retardant	0.1 mass% of article	false
Trixylyl phosphate 25155-23-1	Used as a plasticizer for v	0.1 mass% of article	false