Material Data Declaration Sheet - v003

Schema Database Version: IEC 62474 X6.01 Substance Database Version: IEC 62474 D16.00



Supplier Information

Company Name *	
Response Document ID	39776
Company Unique ID	
Unique ID Authority	Dun and Bradstreet
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Product(s)

Product Family Name:

Requester Item Number	Item Number *	Description	Effective Date *	Mass *	UoM*	Comment
	CD8067303287002S	CD8067303287002S	2018-09-26	0.010000	g	

Declaration

LHPLA	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 may not be better for the environment. Intel Components as well as purchased components on the finished assembly meet the joint JEDEC/ECA JS-709B requirement.	True
LITPLA	meet the joint Jedec/eca 13-709B requirement.	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 Directive 2 2011/65/EU Requirements	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 %	
CD8067303287002S	CD8067303287002S	1		100.0000

RoHS

Homogenous Mat	erial				Reporting	Above	Substance Mass % of		
Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Threshold	Threshold? (T/F)	HM	Exemption	Comments
			Cadmium/Cadmium compounds	IAII except patteries	0.01 mass% of total Cd in homogenous	false			
			Chromium (VI) Compounds	All	0.1 mass% of total	false			
			Lead/Lead Compounds	All, except for: 1.	0.1 mass% of total Pb in homogenous	false			
			Mercury/Mercury Compounds	All except batteries	Intentionally Added or 0.1 mass% of total	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

Homogenous Material					Reporting	Above	Substance Mass % of	
Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Threshold	Threshold? (T/F)	HM	Comments
			Brominated flame	Printed wiring board	0.09 mass% total	false		
			retardants (other than	laminate	bromine content in	laise		
			Brominated flame	Plastic materials except	0.1 mass% of	false		
			retardants (other than	printed wiring board	hromine in plactic			
			Chlorinated Flame	Plastic materials except	0.1 mass% chlorine in	falso		
			Retardants (CFR)	printed wiring board	plastic materials	Taise		
			Chlorinated Flame	Printed Wiring Board	0.09 mass% total	false		
			Retardants (CFR)	(PWB) Laminates	chlorine content in	Taise		
	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-Dodecachloropent			All	0.1 mass% of article	false		
4-Nonylphenol, branched and linear, ethoxylated					false		
Alkanes, C10-13, chloro (Short Chain Chlorinated			All	Intentionally added or 0.1 mass% of article	false		
Aluminosilicate Refractory Ceramic			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 part	false		

			1				
Dioctyltin (DOT)			(a) textile and leather	0.1 mass% of tin in the	false		
compounds			articles intended to come All		falaa		
Disodium tetraborates			All	0.1 mass% of article	false		
Fluorinated Greenhouse Gases (PFC, SF6, HFC)			All	Intentionally Added	false		
Hexabromocyclododecan e (HBCDD)			All	Intentionally added or 0.01 mass% of article	false		
Hexahydromethylphthali c anhydride			All	0.1 mass% of article	false		
Lead/Lead Compounds			Consumer products designed or intended	0.01 mass%	false		
Lead/Lead Compounds			Batteries	0.004 mass% of battery	false		
Mercury/Mercury Compounds			Batteries	Intentionally added or 0.0001 mass% of battery	false		
Nickel/Nickel Compounds			All, where prolonged skin contact is expected	Intentionally Added	false		
Nonadecafluorodecanoic acid (PFDA) and its			All	0.1 mass% of article	false		
Ozone Depleting Substances (CFC, Halon,			All	Intentionally Added	false		
Perchlorates			All	6 x 10 ^-7 mass% of battery or product part	false		
Perfluorohexane-1-sulph onic acid and its salts			All	0.1 mass% of article	false		
Perfluorononan-1-oic-aci			All	0.1 mass% of article	false		
d and its sodium and Polychlorinated Biphenyls (PCBs) and			All	Intentionally added	false		
Polychlorinated Naphthalenes (PCNs)			All	Intentionally added	false		
Radioactive substances			All	Intentionally added	false		
Tri-substituted organostannic			All	Intentionally added or 0.1	false		
Zirconia Aluminosilicate			All	mass% of tin in the part 0.1 mass% of article	false		
Refractory Ceramic	[Phthalato(2-)]dioxotrilea	69011-06-9	Heat stabilizer for	0.1 mass% of article	false	0.0000	
	1,2-benzenedicarboxylic	68515-51-5,	plastics, for example for Plasticisers, lubricants,	0.1 mass% of article	false	0.0000	
	acid, di-C6-10-alkyl esters 1,2-Benzenedicarboxylic	68648-93-1 71888-89-6	adhesives, coatings, Plasticizer, dye, pigment,	0.1 mass% of article	false	0.0000	
	acid, di-C6-8-branched 1,2-Benzenedicarboxylic	68515-42-4	paint, ink, adhesive, Plasticizer, dye, pigment,	0.1 mass% of article	false	0.0000	
	acid, di-C7-11-branched 1,2-Benzenedicarboxylic	68515-50-4	paint, ink, adhesive, Used as a plasticizer for	0.1 mass% of article	false	0.0000	
	acid, dihexyl ester, 1,2-Benzenedicarboxylic	84777-06-0	certain plastics and Plasticizer in plastic	0.1 mass% of article	false	0.0000	
	acid, dipentylester, 1,2-bis(2-methoxyethoxy)	112-49-2	materials in specialist Solvent may be used in	0.1 mass% of article	false	0.0000	
	ethane (TEGDME; 1,2-Diethoxyethane	629-14-1	battery electrolytes for Solvent used in	0.1 mass% of article	false	0.0000	
	1,2-dimethoxyethane;		electrolytes for lithium Solvent used in battery				
	ethylene glycol dimethyl	110-71-4	electrolytes for lithium Electrolyte fluid of	0.1 mass% of article	false	0.0000	
	1,3-propanesultone 2-(2H-benzotriazol-2-yl)-4	1120-71-4	rechargeable lithium ion	0.1 mass% of article	false	0.0000	
	-(tert-butyl)-6-(sec-butyl)	36437-37-3	UV stabilizer	0.1 mass% of article	false	0.0000	
	2-(2H-benzotriazol-2-yl)-4 ,6-ditertpentylphenol	25973-55-1	UV stabilizer	0.1 mass% of article	false	0.0000	

Cadmium hydroxide	21041-95-2	It is generated in the anodes of	0.1 mass% of article	false	0.0000
Cadmium oxide	1306-19-0	Relay contact; photodiode voltaic cell,	0.1 mass% of article	false	0.0000
Cadmium sulphide	1306-23-6	Used in photo-resistors, solar cells and	0.1 mass% of article	false	0.0000
Chrysen	218-01-9	Impurities in carbon black, which is used as	0.0001 mass% of the	false	0.0000
Chrysen	218-01-9	Impurities in carbon	0.00005 mass% of the	false	0.0000
Chrysene	218-01-9;	black, which is used as Impurities in carbon	plastic or rubber part 0.1 mass% of article	false	0.0000
Cobalt dichloride	1719-03-5 7646-79-9	black, which is used as Pneumatic panels to	0.1 mass% of article	false	0.0000
Decamethylcyclopentasilo	7040-73-3	indicate water Siloxanes are monomers	0.1 IIIa33/6 OI al ticle	laise	0.0000
xane	541-02-6	used to manufacture	0.1 mass% of article	false	0.0000
Diarsenic pentoxide	1303-28-2	Additive in wood, metal, glass and plastics	0.1 mass% of article	false	0.0000
Diarsenic trioxide	1327-53-3	Additive in wood, metal, glass and plastics	0.1 mass% of article	false	0.0000
Dibenzo[a,h]anthracene	53-70-3	Impurities in carbon black, which is used as	0.0001 mass% of the plastic or rubber part	false	0.0000
Dibenzo[a,h]anthracene	53-70-3	Impurities in carbon	0.00005 mass% of the	false	0.0000
Diboron trioxide	1303-86-2	black, which is used as Found in wood veneers,	plastic or rubber part 0.1 mass% of article	false	0.0000
Dibutyl phthalate (DBP)	84-74-2	glass/fiberoptics and Plasticizer, dye, pigment,	0.1 mass% in	false	0.0000
Dibutyltin dichloride	84-74-2	paint, ink, adhesive,	homogenous material	raise	0.0000
(DBTC)	683-18-1	Ingredient in some paint thinner and as heat	0.1 mass% of article	false	0.0000
Dicyclohexyl phthalate	84-61-7	Plasticizer, dye, pigment, paint, ink, manufacture	0.1 mass% of article	false	0.0000
Diisobutyl phthalate	84-69-5	Plasticizer, dye, pigment, paint, ink, adhesive,	0.1 mass% in homogenous material	false	0.0000
Di-isodecyl phthalate (DIDP)	68515-49-1, 26761-40-0	Plasticizer, dye, pigment, paint, ink,	Intentionally added	false	0.0000
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	Used as a plasticizer for PVC	Intentionally added	false	0.0000
Diisopentylphthalate	605-50-5	Plasticizer in plastic	0.1 mass% of article	false	0.0000
Dimethyl Fumarate (DMF)	624-49-7	materials in specialist Biocide, mold prevention		false	0.0000
Di-n-hexyl Phthalate	84-75-3	treatment of electronic Plasticizer, dye, pigment,	part Intentionally added or 0.1	false	0.0000
(DnHP) Dioxobis(stearato)trilead	12578-12-0	paint, ink, adhesive, Heat stabilizer for	mass% of article 0.1 mass% of article	false	0.0000
` ′		plastics, for example for Plasticizer in PVC and			
Dipentyl phthalate (DPP) Disodium	131-18-0	nitrocellulose resin and Dye for textiles and	0.1 mass% of article	false	0.0000
3,3'-[[1,1'-biphenyl]-4,4'-d	573-58-0	paper	0.1 mass% of article	false	0.0000
Disodium 4-amino-3-[[4'-[(2,4-diami	1937-37-7	Used in ink for printers	0.1 mass% of article	false	0.0000
Disodium octaborate	12008-41-2	Wooden veneer sheets and pressed wooden	0.1 mass% of article	false	0.0000
Dodecamethylcyclohexasi loxane	540-97-6	Siloxanes are monomers used to manufacture	0.1 mass% of article	false	0.0000
Fatty acids, C16-18, lead	91031-62-8	Heat stabilizer for	0.1 mass% of article	false	0.0000
salts Formaldehyde	50-00-0	plastics, for example for Textiles	0.0075 mass % of textile	false	0.0000
Imidazolidine-2-thione;	96-45-7	used as a catalyst in	0.1 mass% of article	false	0.0000
(2-imidazoline-2-thiol)	-	some acrylic adhesive		1.5	1 1 1 2 2

Lead	7439-92-1	Steel, aluminum and copper alloys, lead acid	0.1 mass% of article	false	0.0000
Lead chromate	7758-97-6	Colorant in plastics; Colorant in paint	0.1 mass% of article	false	0.0000
Lead chromate molybdate sulphate red (C.I. Pigment	12656-85-8	Colorant in plastics; Colorant in red paint	0.1 mass% of article	false	0.0000
Lead cyanamidate	20837-86-9	Used in anticorrosion coatings e.g. steel articles	0.1 mass% of article	false	0.0000
Lead dinitrate	10099-74-8	Heat stabilizer in nylon and polyesters, also used	0.1 mass% of article	false	0.0000
Lead oxide sulfate	12036-76-9	Heat stabilizer for PVC used for wiring and	0.1 mass% of article	false	0.0000
Lead sulfochromate yellow (C.I. Pigment	1344-37-2	Colorant in plastics; Colorant in yellow paint	0.1 mass% of article	false	0.0000
Lead titanium trioxide	12060-00-3	In piezoelectric components, ultrasound	0.1 mass% of article	false	0.0000
Lead titanium zirconium oxide	12626-81-2	In piezoelectric components, ultrasound	0.1 mass% of article	false	0.0000
	68-12-2	Used as electrolyte in electrolytic capacitors	0.1 mass% of article	false	0.0000
N-pentyl-isopentylphthala te	776297-69-9	Plasticizer in plastic materials in specialist	0.1 mass% of article	false	0.0000
Octamothylouclototracilou	556-67-2	Siloxanes are monomers used to manufacture	0.1 mass% of article	false	0.0000
Orange lead (lead tetroxide)	1314-41-6	Used in rust-proof primer	0.1 mass% of article	false	0.0000
Pentadecafluorooctanoic acid (PFOA)	335-67-1	PFOA is used as an emulsion stabilizer to	0.1 mass% of article	false	0.0000
Pentalead tetraoxide	12065-90-6	Heat stabilizer for plastics; for example,	0.1 mass% of article	false	0.0000
Pentazinc chromate octahydroxide	49663-84-5	Colorant	0.1 mass% of article	false	0.0000
Potassium hydroxyoctaoxodizincated	11103-86-9	Paint, anti-corrosion	0.1 mass% of article	false	0.0000
Dyrochlore antimony lead	8012-00-8	Used as yellow pigment for coloring plastics and	0.1 mass% of article	false	0.0000
reaction mass of 2-ethylhexyl		PVC stabilizer	0.1 mass% of article	false	0.0000
Silicic acid (H2Si2O5), barium salt (1:1).	68784-75-8	Used in UV emitting light bulbs and lamps	0.1 mass% of article	false	0.0000
Strontium chromate	7789-06-2	Pigment; corrosion resistant coating	0.1 mass% of article	false	0.0000
Sulfurous acid, lead salt, dibasic	62229-08-7	Heat stabilizer for PVC, for example for wiring	0.1 mass% of article	false	0.0000
	61788-32-7	Plasticizers, sealants, epoxy adhesives, paints	0.1 mass% of article	false	0.0000
Tetralead trioxide sulphate	12202-17-4	Heat stabilizer for PVC, for example for wiring	0.1 mass% of article	false	0.0000
Trilead dioxide phosphonate	12141-20-7	Heat stabilizer for PVC, for example for wiring	0.1 mass% of article	false	0.0000
Tric/2-chloroethyl)nhocnh	115-96-8	Flame retardant	0.1 mass% of article	false	0.0000
Trixylyl phosphate	25155-23-1	Used as a plasticizer for vinyl resin, cellulose	0.1 mass% of article	false	0.0000