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**CRADLE TO CRADLE CERTIFIED® VERSION 4.0  
SUPPLIER RESTRICTED SUBSTANCES DECLARATION  
REVISED APRIL, 2021**

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Please fill out the following Information:

SUPPLIER INFORMATION	
Company:	ERP LED LLC
Address:	893 Patriot Drive, Suite E, Moorpark, CA 93021, United States
Contact Name:	James Li
Contact Title:	Supplier Quality Director
Contact Phone:	+1-805-517-1300
Contact Email:	Jamesli@erp-asia.com

MATERIAL INFORMATION	
Material Name:	LED driver
Material Number:	Product family with starting of ASX, AXIS, CDB, CNB, DAL, DHB, DSB, DTB, EBR, ECO, ELP, ERM, ERP, ESM, ESP, ESS, EVM, HD, HX, JVLM, LTE, MFA, NCD, NFC, VLB, VLM, VMS, LT3E, PDB, PHB, PKB, PTB, PSB, PLB, RSL, SLM, TLM, TW, UHD, VA, VIM, VLB, VMS, VRP, VSW, VZM, PKM, XDRIVEY, PLUG, PROG.
Material Type: (Finish, polymer, metal, etc.)	Model
Affiliated Part/Material/Product Name*:	
Affiliated Part/Material/Product Number*:	
Affiliated Part/Material/Product Type*:	

\*If applicable; Note that a separate declaration must be supplied for each homogenous material in the supplied part, material, or product.



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## Substance Reporting Table Instructions

1. Have any of the chemicals listed in the Cradle to Cradle Certified® Restricted Chemicals Reporting Table (attached) been intentionally added to the homogenous material or are any of the chemicals a known contaminant in the homogenous material?

If yes, please do the following:

- ✦ Add an 'X' to the appropriate column for each chemical ('Intentionally Added' or 'Known Contaminant').
- ✦ Indicate the concentration of the chemical present in the material, including units of concentration, in the 'Concentration' column.

If no, please check the box below.

By checking this box, I attest that none of the chemicals listed in the Cradle to Cradle Certified® Restricted Chemicals Reporting Table (attached) have been intentionally added to the homogenous material or are a known contaminant in the homogenous material.

2. Please sign the declaration below.

On behalf of LED ERP LLC attest that the information provided in the Substance Reporting table (attached) and this declaration for the material(s), component(s), or product(s) supplied to Customers its affiliated companies, or designated contractors for production of the product being assessed for certification is true and accurate to the best of my knowledge and the knowledge of my staff.

Signature:

Date: 2023/8/28

Print name: James Li

Job Title: Supplier Quality Director



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Core Restricted Substances List for All Materials in All Products

Inorganics	Sub-Grouping	Chemical(s) Name	Acronym or Trade Name	CAS Number(s)	Intentionally added or Known Contaminant	Concentration (ppm)	
	<b>Asbestos</b>	Crocidolite			12001-28-4	No	
		Amosite			12172-73-5	No	
		Anthophyllite			77536-67-5	No	
		Actinolite			77536-66-4	No	
		Tremolite			77536-68-6	No	
		Chyrostile			12001-29-5, 132207-32-0	No	
	<b>Metals &amp; Metalloids</b>	Arsenic and its compounds	<b>As</b>		several	Known Contaminant ETR21A04957M01	N.D <2ppm
		Cadmium and its compounds	<b>Cd</b>		several	Known Contaminant A22205354721030101E	N.D <2ppm
		Chromium VI and its compounds	<b>Cr VI</b>		several	Known Contaminant A22205354721030101E	N.D <8ppm
Mercury and its compounds		<b>Hg</b>		several	Known Contaminant A22205354721030101E	N.D <2ppm	
Lead and its compounds		<b>Pb</b>		several	Known Contaminant A22205354721030101E	N.D <5ppm	
<b>Borates</b>	Sodium perborate, perboric acid, sodium salt			15120-21-5 11138-47-9	Known Contaminant SZXEC2204165237	N.D <50ppm	
	Sodium peroxometaborate			7632-04-04	Known Contaminant SZXEC2204165237	N.D <50ppm	
<b>Organometals</b>	Phenylmercury acetate	<b>PMA</b>		62-38-4	No		
	Phenylmercury propionate			103-27-5	No		
	Phenylmercury 2-ethylhexanoate			13302-00-6	No		
	Phenylmercury octanoate			13864-38-5	No		
	Phenylmercury neodecanoate			26545-49-3	No		
	Tributyl tin	<b>TBT</b>		several	Known Contaminant SZXEC2204165237	N.D <50ppm	
	Triphenyl tin	<b>TPT</b>		several	No		
	Dibutyl tin	<b>DBT</b>		several	Known Contaminant SZXEC2204165237	N.D <500ppm	
	Diocetyl tin compounds	<b>DOT</b>		several	Known Contaminant SZXEC2204165237	N.D <500ppm	
	Dibutyltin hydrogen borate				75113-37-0	No	



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Sub-Grouping	Chemical(s) Name	Acronym or Trade Name	CAS Number(s)	Intentionally added or Known Contaminant	Concentration (ppm)
	Halogenated polymers (including PVC, PTFE, etc.), halogenated organic solvents, and other highly halogenated, carbon-based materials			Known Contaminant CANEC2300094301	N.D Cr,Br,I<500ppm m F: <247ppm
<b>Organohalogens</b>	General restriction on halogenated and organophosphate ester flame retardants		several	No	
	Polybrominated diphenyl ethers	<b>PBDEs</b>	several	Known Contaminant SHAEC2202094301	N.D <5ppm
	Polybrominated biphenyls	<b>PBBs</b>	several	Known Contaminant SHAEC2202094301	N.D <5ppm
	Hexabromocyclododecane	<b>HBCDD</b>	3194-55-6, 25637-99-4, 134237-50-6, 134237-51-7, 134237-52-8	Known Contaminant SHAEC2202094301	N.D <10ppm
	Tris(2-chloroethylphosphate)	<b>TCEP</b>	115-96-8	Known Contaminant SHAEC2202094903	N.D <500ppm
<b>Halogenated Diphenyl Methanes</b>	Monomethyl-tetrachlorodiphenyl methane	<b>Ugilec 141</b>	76253-60-6	No	
	Monomethyl-dichloro-diphenyl methane	<b>Ugilec 121, 21</b>	81161-70-8	No	
	Monomethyl-dibromo diphenyl methane bromobenzylbromotoluene, mixture of isomers	<b>DBBT</b>	99688-47-8	No	
<b>Brominated Compounds</b>	1-Bromopropane		106-94-5	Known Contaminant SHAEC2202094903	N.D <500ppm

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Organohalogens	Chlorinated Compounds	Polychlorinated terphenyls	<b>PCTs</b>	61788-33-8 and others	No		
		Polychlorinated biphenyls	<b>PCBs</b>	several	No		
		Polychlorinated naphthalenes		several	No		
		Hexachlorobutadiene	<b>HCBD</b>	87-68-3	No		
		Pentachlorobenzene	<b>PeCB</b>	608-93-5	No		
		Hexachloroethane (perchloroethane)	<b>PCE</b>	67-72-1	No		
			Pentachlorophenol and its salts and esters	<b>PCP</b>	87-86-5 and others	No	
			Trichlorobenzene	<b>TCB</b>	120-82-1	No	
			Trichloroethylene	<b>TCE</b>	79-01-6	No	
			2,2'-Dichloro-4,4'-methylenedianiline	<b>MOCA</b>	101-14-4	No	
			1,2-Dichloroethane	<b>EDC</b>	107-06-02	No	
			Chloroethylene (Vinyl chloride monomer)	<b>VCM</b>	75-01-4	No	
	Fluorinated Compounds		General restriction on per- or polyfluoroalkyl substances (PFASs)	<b>PFASs</b>	several	Known Contaminant U00908230712110Z	N.D <500ppm
			Perfluorooctane sulfonic acid and its derivatives	<b>PFOS, C-8</b>	1763-23-1	Known Contaminant U00908230712110Z	N.D <500ppm
			Perfluorooctane sulfonates	<b>PFOS, C-8 salts</b>	several	Known Contaminant U00908230712110Z	N.D <500ppm
			Perfluorooctanoic acid and its salts*	<b>PFOA</b>	several	Known Contaminant U00908230712110Z	N.D <500ppm

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	Sub-Grouping	Chemical(s) Name	Acronym or Trade Name	CAS Number(s)	Intentionally added or Known Contaminant	Concentration (ppm)
Polycyclic Aromatic Hydrocarbons (PAH)		Benzo[a]pyrene	<b>BaP</b>	50-32-8	Known Contaminant A2220433436101001C	N.D <100ppm
		Benzo[e]pyrene	<b>BeP</b>	192-97-2	No	
		Benzo[a]anthracene	<b>BaA</b>	56-55-3	Known Contaminant A2220433436101001C	N.D <100ppm
		Chrysene	<b>CHR</b>	218-01-09	No	
		Benzo[b]fluoranthene	<b>BbFA</b>	205-99-2	No	
		Benzo[j]fluoranthene	<b>BjFA</b>	205-82-3	No	
		Benzo[k]fluoranthene	<b>BkFA</b>	207-08-09	No	
		Dibenzo[a,h]anthracene	<b>DBaHA</b>	53-70-3	No	
Aromatics	Ortho-phthalates	Bis (2-ethylhexyl) phthalate	<b>DEHP</b>	117-81-7	Known Contaminant SZXEC2203314503	N.D <500ppm
		Dibutyl phthalate	<b>DBP</b>	84-74-2	Known Contaminant SZXEC2203314503	N.D <500ppm
		Benzyl butyl phthalate	<b>BBP</b>	85-68-7	Known Contaminant SZXEC2203314503	N.D <500ppm
		Di-n-pentyl phthalate	<b>DPP</b>	131-18-0	Known Contaminant SZXEC2203314503	N.D <500ppm
		Diisopentylphthalate	<b>DIPP</b>	605-50-5	Known Contaminant SZXEC2203314503	N.D <500ppm
		Diisobutyl phthalate	<b>DIBP</b>	84-69-5	Known Contaminant SZXEC2203314503	N.D <500ppm
		1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7 rich		71888-89-6	Known Contaminant SZXEC2203314503	N.D <500ppm
		1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		68515-42-4	Known Contaminant SZXEC2203314503	N.D <500ppm
		1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0	Known Contaminant SZXEC2203314503	N.D <500ppm
		Bis(2-methoxyethyl) phthalate		117-82-8	Known Contaminant SZXEC2203314503	N.D <500ppm
		N-pentyl-isopentylphthalate		776297-69-9	Known Contaminant SZXEC2203314503	N.D <500ppm
		1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4	Known Contaminant SZXEC2203314503	N.D <500ppm
		Dihexyl phthalate		84-75-3	Known Contaminant SZXEC2203314503	N.D <500ppm
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters		68648-93-1, 68515-51-5	No			

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Aromatics	Benzene	Benzene		71-43-2	No	
	Aromatic Amine (Anilines)	2-Naphthylamine and its salts		91-59-8 and others	No	
		1,1'-biphenyl-4,4'-diamine and its salts	<b>Benzidine</b>	several	No	
		4-Aminobiphenyl xenylamine and its salts		92-67-1 and others	No	
		4,4'-Diaminodiphenylmethane	<b>MDA</b>	101-77-9	No	
	Phenol Derivatives	Nonylphenols	<b>NP</b>	several	No	
		Nonylphenol ethoxylates	<b>NPE</b>	several	No	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	<b>UV-328</b>	25973-55-1	No	
		2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	<b>UV-327</b>	3864-99-1	No	
		2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	<b>UV-350</b>	36437-37-3	No	
		2-benzotriazol-2-yl-4,6-di-tert-butylphenol	<b>UV-320</b>	3846-71-7	No	
		4-(1,1,3,3-Tetramethyl)phenol, ethoxylated		several*	No	
		4-Nonylphenol, branched and linear, ethoxylated		several*	No	
	Nitroaromatics	5-tert-butyl-2,4,6-trinitro- m-xylene	<b>Musk xylene</b>	81-15-2	No	
4-nitrobiphenyl			92-93-3	No		
2,4-Dinitrotoluene		<b>DNT</b>	121-14-2	No		
Tar Products	Anthracene oil		90640-80-5	No		
	Pitch, coal tar, high temp.		65996-93-2	No		

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Organic Solvents	(Note: see also "Organohalogens" for halogenated organic solvents]	Formaldehyde, oligomeric reaction products with aniline		25214-70-4	No	
		Bis(2-methoxyethyl) ether	<b>Diglyme</b>	111-96-6	No	
		Dimethylfumarate	<b>DMF</b>	624-49-7	No	
		5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	<b>1,3-dioxanes</b>	several*	No	