

Number : WUXH00058275

Applicant : KINGCLEAN ELECTRIC CO LTD
XIANGYANG ROAD, SUZHOU NEW DISTRICT,
JIANGSU, P.R.CHINA.
Attn : GAO YULAN

Date : Jun 16, 2017

Sample Description As Declared:

One (1) Group Of Submitted Sample Said To Be :

Item Name : Charger.

Item No. : C05-4230.

Tests Conducted:

As Requested By The Applicant, For Details Refer To Attached Pages

Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.



Yuko Qiu
Manager



Tests Conducted (As Requested By The Applicant)

1 SVHC Testing

By a combination of X-Ray Fluorescence Spectroscopy, Inductively Coupled Argon Plasma Spectrometry, Gas Chromatography – Mass Spectrometry, Liquid Chromatography - Mass Spectrometry, UV-VIS Spectrophotometer, Ion Chromatography, Gas Chromatography - Electron Capture Detector, Headspace Gas Chromatography - Mass Spectrometry and High-Performance Liquid Chromatography.

(a) The First List (15 SVHC Released in Oct, 2008)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
Cobalt Dichloride Δ	7646-79-9	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND
Diarsenic Trioxide Δ	1327-53-3	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND
Triethyl Arsenate Δ	15606-95-8	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND
Bis (Tributyltin) Oxide (TBTO) Δ	56-35-9	ND
Anthracene	120-12-7	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Dibutyl Phthalate (DBP)	84-74-2	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND
Short Chain Chlorinated Paraffins (C ₁₀₋₁₃)	85535-84-8	ND

(b) The Second List (13 SVHC Release in Jan, 2010 and Mar, 2010)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
Lead Chromate Δ	7758-97-6	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND



Tests Conducted (As Requested By The Applicant)

Tris (2-Chloroethyl) Phosphate	115-96-8	ND
2,4-Dinitrotoluene	121-14-2	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND
Anthracene Oil	90640-80-5	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND
Acrylamide	79-06-1	ND

(c) The Third List (8 SVHC Release in Jun,2010)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
Boric Acid Δ	10043-35-3, 11113-50-1	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND
Sodium Chromate Δ	7775-11-3	ND
Potassium Chromate Δ	7789-00-6	ND
Ammonium Dichromate Δ	7789-09-5	ND
Potassium Dichromate Δ	7778-50-9	ND
Trichloroethylene	79-01-6	ND

(d) The Fourth List (8 SVHC Release in Dec,2010)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
2-Methoxyethanol	109-86-4	ND
2-Ethoxyethanol	110-80-5	ND
Cobalt Sulphate Δ	10124-43-3	ND
Cobalt Dinitrate Δ	10141-05-6	ND
Cobalt Carbonate Δ	513-79-1	ND
Cobalt Diacetate Δ	71-48-7	ND
Chromium Trioxide Δ	1333-82-0	ND



Tests Conducted (As Requested By The Applicant)

Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND
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(e) The Fifth List (7 SVHC Release in Jun, 2011)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
Strontium ChromateΔ	7789-06-2	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND
1,2-Benzenedicarboxylic acid, di-C ₇₋₁₁ -branched and linear alkyl esters (DHNUP)	68515-42-4	ND
Hydrazine	7803-57-8 302-01-2	ND
1-methyl-2-pyrrolidone	872-50-4	ND
1,2,3-trichloropropane	96-18-4	ND
1,2-Benzenedicarboxylic acid, di-C ₆₋₈ -branched alkyl esters, C ₇ -rich (DIHP)	71888-89-6	ND

(f) The Sixth List (20 SVHC Release in Dec, 2011)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
Lead dipicrateΔ	6477-64-1	ND
Lead styphnateΔ	15245-44-0	ND
Lead azide; Lead diazideΔ	13424-46-9	ND
Phenolphthalein	77-09-8	ND
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	ND
N,N-dimethylacetamide (DMAC)	127-19-5	ND
Trilead diarsenateΔ	3687-31-8	ND
Calcium arsenateΔ	7778-44-1	ND
Arsenic acidΔ	7778-39-4	ND
Bis(2-methoxyethyl) ether	111-96-6	ND
1,2-Dichloroethane	107-06-2	ND
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	ND
2-Methoxyaniline; o-Anisidine	90-04-0	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND



Tests Conducted (As Requested By The Applicant)

Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	ND
Pentazinc chromate octahydroxideΔ	49663-84-5	ND
Potassium hydroxyoctaoxodizincate dichromateΔ	11103-86-9	ND
Dichromium tris(chromate)Δ	24613-89-6	ND
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND

(g) The Seventh List (13 SVHC Release in Jun, 2012)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	ND
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	ND
Diboron trioxideΔ	1303-86-2	ND
Formamide	75-12-7	ND
Lead(II) bis(methanesulfonate) Δ	17570-76-2	ND
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	ND
β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	ND
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	ND

Tests Conducted (As Requested By The Applicant)

[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	ND
α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	ND
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	ND

(h) The Eighth List (54 SVHC Release in Dec, 2012)

Chemical Substance	CAS No.	Results % (w/w)
		Whole Product
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	ND
Pentacosfluorotridecanoic acid	72629-94-8	ND
Tricosfluorododecanoic acid	307-55-1	ND
Henicosfluoroundecanoic acid	2058-94-8	ND
Heptacosfluorotetradecanoic acid	376-06-7	ND
Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	ND



Tests Conducted (As Requested By The Applicant)

<p>Cyclohexane-1,2-dicarboxylic anhydride [1]</p> <p>cis-cyclohexane-1,2-dicarboxylic anhydride [2]</p> <p>trans-cyclohexane-1,2-dicarboxylic anhydride [3]</p> <p>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].</p>	<p>85-42-7</p> <p>13149-00-3</p> <p>14166-21-3</p>	<p>ND</p>
<p>Hexahydromethylphthalic anhydride [1],</p> <p>Hexahydro-4-methylphthalic anhydride [2],</p> <p>Hexahydro-1-methylphthalic anhydride [3],</p> <p>Hexahydro-3-methylphthalic anhydride [4]</p> <p>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</p>	<p>25550-51-0</p> <p>19438-60-9</p> <p>48122-14-1</p> <p>57110-29-9</p>	<p>ND</p>
<p>4-Nonylphenol, branched and linear</p> <p>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</p>	<p>--</p>	<p>ND</p>

Tests Conducted (As Requested By The Applicant)

4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	ND
Methoxyacetic acid	625-45-6	ND
N,N-dimethylformamide	68-12-2	ND
Dibutyltin dichloride (DBTC) Δ	683-18-1	ND
Lead monoxide (Lead oxide) Δ	1317-36-8	ND
Orange lead (Lead tetroxide) Δ	1314-41-6	ND
Lead bis(tetrafluoroborate) Δ	13814-96-5	ND
Trilead bis(carbonate)dihydroxide Δ	1319-46-6	ND
Lead titanium trioxideΔ	12060-00-3	ND
Lead titanium zirconium oxideΔ	12626-81-2	ND
Silicic acid, lead salt Δ	11120-22-2	ND
Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-dopedΔ [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	ND
1-bromopropane (n-propyl bromide)	106-94-5	ND
Methyloxirane (Propylene oxide)	75-56-9	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	ND
Diisopentylphthalate (DIPP)	605-50-5	ND
N-pentyl-isopentylphthalate	776297-69-9	ND
1,2-diethoxyethane	629-14-1	ND

Tests Conducted (As Requested By The Applicant)

Acetic acid, lead salt, basicΔ	51404-69-4	ND
Lead oxide sulfateΔ	12036-76-9	ND
[Phthalato(2-)]dioxotrileadΔ	69011-06-9	ND
Dioxobis(stearato)trileadΔ	12578-12-0	ND
Fatty acids, C16-18, lead saltsΔ	91031-62-8	ND
Lead cyanamidateΔ	20837-86-9	ND
Lead dinitrateΔ	10099-74-8	ND
Pentalead tetraoxide sulphateΔ	12065-90-6	ND
Pyrochlore, antimony lead yellowΔ	8012-00-8	ND
Sulfurous acid, lead salt, dibasicΔ	62229-08-7	ND
TetraethylleadΔ	78-00-2	ND
Tetralead trioxide sulphateΔ	12202-17-4	ND
Trilead dioxide phosphonateΔ	12141-20-7	ND
Furan	110-00-9	ND
Diethyl sulphate	64-67-5	ND
Dimethyl sulphate	77-78-1	ND
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND
4,4'-methylenedi-o-toluidine	838-88-0	ND
4,4'-oxydianiline and its salts	101-80-4	ND
4-aminoazobenzene	60-09-3	ND
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	ND
6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND
Biphenyl-4-ylamine	92-67-1	ND
o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	ND
o-toluidine	95-53-4	ND
N-methylacetamide	79-16-3	ND

Tests Conducted (As Requested By The Applicant)

(i) The ninth List (6 SVHC Release in Jun, 2013)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
CadmiumΔ	7440-43-9	ND
Cadmium oxideΔ	1306-19-0	ND
Dipentyl phthalate (DPP)	131-18-0	ND
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]	--	ND
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND
Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND

(j) The tenth List (7 SVHC Release in Dec, 2013)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
Cadmium sulphideΔ	1306-23-6	ND
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND
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	ND



Tests Conducted (As Requested By The Applicant)

Dihexyl phthalate	84-75-3	ND
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	ND
Lead di(acetate) Δ	301-04-2	ND
Trixylyl phosphate	25155-23-1	ND

(k) The eleventh List (4 SVHC Release in Jun, 2014)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND
Cadmium chlorideΔ	10108-64-2	ND
Sodium perborate; Perboric acid, sodium saltΔ	--	ND
Sodium peroxometaborateΔ	7632-04-4	ND

(l) The twelfth List (6 SVHC Release in December, 2014)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	ND
Cadmium fluorideΔ	7790-79-6	ND
Cadmium sulphateΔ	10124-36-4; 31119-53-6	ND

Tests Conducted (As Requested By The Applicant)

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)	--	ND
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(m) The thirteenth List (2 SVHC Release in June, 2015)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	ND
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] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	ND

(n) The fourteenth List (5 SVHC Release in December, 2015)

Chemical Substance	CAS No.	<u>Results % (w/w)</u>
		<u>Whole Product</u>
1,3-Propanesultone	1120-71-4	ND
2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole (UV-327)	3864-99-1	ND
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	ND
Nitrobenzene	98-95-3	ND
Heptadecafluorononanoic acid	375-95-1; 21049-39-8	ND

Tests Conducted (As Requested By The Applicant)

(O) The Fifteenth List (1 SVHC Release in Mar, 2016)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
Benzo[a]pyrene	50-32-8	ND

(p) The sixteenth List (4 SVHC Agree in December, 2016)

<u>Chemical Substance</u>	<u>CAS No.</u>	<u>Results % (w/w)</u>
		<u>Whole Product</u>
4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	ND
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	--	ND
Nonadecafluorodecanoic acid EC no.: 206-400-3 CAS no.: 335-76-2		
Ammonium nonadecafluorodecanoate EC no.: 221-470-5 CAS no.: 3108-42-7		
Decanoic acid, nonadecafluoro-, sodium salt EC no.: -- CAS no.: 3830-45-3		
4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	ND
p-(1,1-dimethylpropyl)phenol	80-46-6	ND



Tests Conducted (As Requested By The Applicant)

Reporting Limit=0.050% (Whole Product)

SVHC = Substance of very high concern

ND = Not detected (the result is less than the reporting limit)

Reporting limit = Quantitation limit of analyte in sample

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

Notes:

1. Substances Of Very High Concern (SVHC) Are Classified As:
 - a. Carcinogenic, Mutagenic Or Toxic To Reproduction Category 1 (Proven On Humans) And Category 2 (Proven On Animals)
 - b. Persistent, Bioaccumulative And Toxic Chemicals (PBT)
 - c. Very Persistent And Very Bioaccumulative Chemicals (Vpnb)
 - d. Other Similar Substances Such As Endocrine Disrupters
2. If The Imported Or Manufactured Volume Of Each Individual SVHC In Article Is More Than 0.1% (W/W) And If It Exceeds 1 Tonne Per Year Across All Product Ranges, Then Importer Or Manufacturer Require Notification To The European Chemical Agency (ECHA). For Substances Included In The Candidate List On Or After 1 December 2010, The Notifications Have To Be Submitted No Later Than 6 Months After The Inclusion. The Following Information Has To Be Submitted For Notification:
 - a. Identification Of The Registrant And The Substance
 - b. Classification And Labelling Of The Substance
 - c. Description Of Use Of The Substance And The Article
 - d. Registration Number, If Available
 - e. Tonnage Range
3. As Per Article 31 Of Regulation (EC) No. 1907/2006 (REACH), Suppliers Of Mixtures Not Classified As Dangerous According To Directive 1999/45/EC Have To Provide The Recipients, At Their Request, With A Safety Data Sheet If The Mixtures Contain At Least One Substance On The SVHC Candidate List And Its Individual Concentration Is 0.1%(W/W) Or Above For Non-Gaseous Preparations.

REACH Requirement:

As Per Article 33(1) Of Regulation (EC) No. 1907/2006 (REACH), Recipients Of Product Must Be Provided With Information Of Safe Use If Any Of The Tested Substances (SVHC) Exceeded 0.1% (W/W). A Product Meets The Requirement Of Article 33(1) By Default When No SVHC Exceeds 0.1% (W/W).

Date Sample Received : Jun 08, 2017

Testing Period : Jun 08, 2017 To Jun 16, 2017

Summary: According To Specified Test Processes In This Report, Content Of 173 Substances Of Very High Concern (SVHC) In Candidate List Promulgated By European Chemicals Agency (ECHA), Which Are Defined In Article 57 Of Regulation (EC) No. 1907/2006 (REACH Regulation), Are Less Than 0.1% (w/w) In Submitted Sample.

Photo



Tests Conducted (As Requested By The Applicant)



End of Report

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