YASKAWA

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Material Compliance Declaration

EU Directive 2011/65/EU (RoHS II)

On 08th June 2011 the EU-Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment has been recasted. Therewith the Directive 2002/95/EC is repealed with effect from 3rd January 2013.
The EU-Directive 2011/65/EU restricts the use of the following substances in electrical and electronic devices from 3rd January 2013 on:

- < 0,1 %: Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr VI), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)
- < 0,01 %: Cadmium (Cd)

In addition manufactures, importers and distributors have the obligation to ensure that the required internal production control procedures are carried out. Manufactures, importers and distributors have to affix the **CE** marking on compliant products.

YASKAWA fulfils all required criteria regarding EU directive 2011/65/EU in the production of all YASKAWA control components and modules - see also notes in the Appendix

China-RoHS 2 (Norm SJ/T 11364-2014 and GB/T 26572-2011)

YASKAWA fulfils the required criteria regarding the identification and declaration of hazardous substances in electrical and electronic YASKAWA control products (EEP) for the limit to be complied with

- < 0,1 %: Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr VI), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)
- < 0,01 %: Cadmium (Cd)

in homogeneous material. Exceeding the specified limits will be declared by YASKAWA for all control products in accordance with ST/J 11364-2014, paragraph 6.2.

EU-Regulation No. 1907/2006 (REACH)

YASKAWA is not subject to registration under the REACH regulation, as YASKAWA only supplies products (no substances or preparations), which under normal and foreseeable conditions of use do not release any substances or preparations.

YASKAWA will fulfil its obligation with respect to the information of SVHC-substances in control products. If investigations reveal that any substance of the current "candidate list" is included in a product to a degree of more than 0,1 % weight by weight (w/w), YASKAWA will provide the legally required information (REACH-Report).

Herzogenaurach, 20.07.2020

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REACH Report

Report according to Declaration dd.

01.10.2019

VIPA PART NUMBER	SVHC RELEASED DATE	SVHC SUBSTANCE	EC NUMBER	CAS NUMBER	SVHC LOCATION
022-1SD00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
57390 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
021-1SD00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
57290 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0R00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
015-CEFPR00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0M30	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0R30	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0S30	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
280115060 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
280115100 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
280115110 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
015-CEFNR00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
013-CCF0R00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
015-CEFPR01	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
017-CEFPR00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
SAS015 (OEM)	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0M31	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0R01	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0R31	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
014-CEF0S31	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)

M13-CCF0000	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
053-1EC01	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
053-1ML00	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
053-1PN01	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
25664484	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
57106	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
57109	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
AIOA2012	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
PM053-1EC01	17. Dez 15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	SMD-LED (Encapsulation)
900-2H611	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2H681	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2H682	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2C510	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2C520	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2C580	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
900-2C610	18. Jun 12	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Lithium battery
605+5GEA (OEM)	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62F-FEE0	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62I-IEE0	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62I-IEE0	12. Jan 17	4,4'-isopropylidenediphenol	201-245-8	80-05-7	Frame Lower/Plastic
62I-JID0	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62I-JID0	12. Jan 17	4,4'-isopropylidenediphenol	201-245-8	80-05-7	Frame Lower/Plastic
62I-JIDR	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62I-JIDR	12. Jan 17	4,4'-isopropylidenediphenol	201-245-8	80-05-7	Frame Lower/Plastic
62G-FID0	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
62G-FID0	17. Dez 14	Boric acid	234-343-4 233-139-2	10043-35-3 11113-50-1	Polarizer PVA

TW44-WT (OEM)	17. Dez 14	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Polarizer Tac
TW44-WT (OEM)	17. Dez 14	Boric acid	234-343-4 233-139-2	10043-35-3 11113-50-1	Polarizer PVA
67K-PNJ0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
67K-PNL0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
67P-PNJ0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
67P-PNL0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
67S-PNJ0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
67S-PNL0	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor (SSD)
953-0KX10	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LE00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LF00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LG00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LH00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LJ00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LK00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LL00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LM00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor
953-1LP00	19. Dez 12	Silicic acid, lead salt	234-363-3	11120-22-2	Resistor

####ENDOFREPORT####

Appendix

YASKAWA statement on RoHS compliance

To whom it may concern

With the RoHS Directive 2011/65/EU the European Commission and Parliament decided for strict limitation of six chemical substances on Electrical and Electronic Equipment (EEE).

The substances and limits are: Lead (0,1 %), Mercury (0,1 %), Cadmium (0,01 %), Hexavalent chromium (0,1 %), Polybrominated biphenyls (PBB) (0,1 %), Polybrominated diphenyl ethers (PBDE) (0,1 %).

In 2015 the European Commission and Parliament amended the 2011/65/EU by 2015/863/EU limiting another four substances as there are: Bis(2-ethylhexyl) phthalate (DEHP) (0,1 %), Butyl benzyl phthalate (BBP) (0,1 %), Dibutyl phthalate (DBP) (0,1 %), Diisobutyl phthalate (DIBP) (0,1 %).

If a directive is being updated by an amendment like done on RoHS the name of the directive remains unchanged. That means that the consolidated directive of 2011/65/EU and its amendment 2015/863/EU remains named 2011/65/EU and mentioned on the CE Declaration of Conformity (DoC).

YASKAWA products placed on the market do comply with the consolidated version of 2011/65/EU. However, different transition periods are given by the amendment directive.

The general provisions given by 2015/863/EU shall be applied by 22. July 2019.

But, the restriction of DEHP, BBP, DBP and DIBP shall apply to industrial monitoring and control instruments from 22 July 2021. Variable Speed Drives (also known as Frequency Converters), Servo Amplifiers, PLCs and Motion Controllers do belong to this category.

And the restriction of DEHP, BBP, DBP and DIBP shall not apply to cables[1] or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.

For RoHS confirmation, please refer to the product related CE Declaration of Conformity.

YASKAWA is aware of the upcoming additional requirements for "industrial monitoring and control instruments". YASKAWA is maintaining its products continuously to ensure todays' and future product compliance and adapts relevant products step by step in order to comply with provisions given by 2015/863/EU by 22 July 2021 latest.

[1] On RoHS Directive 2011/65/EU "cable" means: all cables with a rated voltage of less than 250 volts that serve as a connection or an extension to connect EEE to the electrical outlet or to connect two or more EEE to each other.