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Ricoh REACH Declaration

Ricoh recognizes the importance of understanding its environmental responsibilities and complying with applicable laws and regulations to minimize adverse effects on human health and the environment.

Ricoh Group's Green Procurement Standards <Annex> Ricoh criteria for Environmentally Sensitive Chemical Substances (https://www.ricoh.com/-/Media/Ricoh/Sites/com/sustainability/environment/guideline/pdf/image_e_ver13.pdf) specifies substances that are prohibited to be contained in Ricoh products and product packaging delivered to customers other than the exemptions allowed by the authorities. Ricoh requests all suppliers not to be contained the prohibited substances in their parts and materials delivered to Ricoh accordingly.

This Environmental Specification is integrated into Ricoh's design guideline requirements, and product development processes.

The European Chemicals Agency (ECHA) manages the REACH regulation 1907/2006, including the candidate list of substances of very high concern (SVHC), and Annex XVII listing restricted substances. Article 33 of REACH requires a supplier of articles containing a listed candidate SVHC in a concentration above 0.1% weight by weight (w/w) to provide the recipient with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum the name of that substance.

Some Ricoh products may contain articles which use SVHCs and all of these products are safe for use when used as intended, and in accordance with the applicable usage instructions.

REACH Declaration for Ricoh Supply products (i.e. toner, ink):

All Ricoh supply products for Office Print products **do not contain** any Substances of Very High Concern (SVHC) more than 0.1% by weight announced by ECHA effective up to the date of this declaration.

For professional inks please refer to the Safety Data Sheets portal.

REACH Declaration for Ricoh products (i.e. printer, copier, MFP, projector, IWB):

*Note that a listing of the substances below does not imply that the substance is found in all article used for Ricoh products. Additionally, we made a best effort to create the list based on available information from suppliers, but it may not be exhaustive.

All Ricoh products that contain SVHCs more than 0.1% by weight announced by ECHA effective up to the date of this declaration have been loaded into the SCIP database effective from January 5, 2021 onwards. Please consult the database for specific information on which SVHCs are present in which products.

Products labelled with the Blue Angel Mark generally do not contain SVHC in housings, housing parts, toners or inks. Exceptions may apply in accordance with the Blue Angel criteria.

Substance of Very High Concern	CAS number	Article Type
Lead	7439-92-1	glass, resistor, transfer belt, capacitor, fuse, Printed Circuit Board, piezoelectric device, sensor, thermistor, electrode, diode, die attach, solder, shaft, screw, stud, pin, aluminium alloy, steel alloy, copper alloy, terminal plating (RoHS exemptions apply)
Disodium tetraborate decahydrate	1303-96-4	guide, guide pin, guide board, cover, gear, cushion, thermistor, electrode, resistor, fuse, shaft

Boric acid	10043-35-3	screw, guide board, cover, spring, shaft, stud, roller, case, bracket, polarization plate, stay, fence, lever
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	substrate ink, solder mask, solder resin
Cobalt nitrate	10141-05-6	screw, pin, bracket, plate, pin, shaft
Octamethyl cyclo tetrasiloxane(D4)	556-67-2	guide, gear, cushion, seal, silicon rubber, holder, lever
Disodium tetraborate pentahydrate	12179-04-3	pin, screw, spring, washer
Lead titanium zirconium oxide	12626-81-2	ceramic element, piezo device, ceramic resonator
1-methyl-2-pyrrolidone (NMP); N-methyl-2-pyrrolidone	872-50-4	gear, bearing, transfer belt, base, holder, coating
Decamethyl cyclopenta siloxane(D5)	541-02-6	silicone foamed tube, silicone rubber, silicone sponge, seal, tape
Nonylphenol ethoxylates (NPE)	9016-45-9	additive for alumite treatment on cover, gear, seal, tape, mirror, lens, frame, belt
2-Methoxyethanol. ethylene glycol monomethyl ether; methyl glycol	109-86-4	laminate sheet, adhesive material, coating material for plastics
Melamine	108-78-1	Cable, Harness, PCB, Memory
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	Connector, controller, CPU, complex element, capacitor, motor, encoder, EMI component, board, housing, PSU, guide, cover, gasket, case, duct, and many more

S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	119-47-1	Aluminum electrolytic capacitor, harness, torque limiter, paper feed tray, display
Medium-chain chlorinated paraffins (MCCP) ; Alkanes,C16-35,chloro	85049-26-9	Harness, belt, roller, insulator, sheathing, double-sided tape, clips, sponge, cushion, cord clamp
Bumetrizole (UV-326)	3896-11-5	Tray, rubber feet, hose, conveyance screw, guide, display, ultrasonic sensor, tube
2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	Fusing parts, ground wire, label, fan, tank, PSU
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	Cover, key top, tray, contact image sensor, sheet, top panel, display, stand
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	Memory, seat, display, harness, fan, PWB, PSU, LCD

Signed for and on behalf of: RICOH COMPANY Ltd.

Signature 

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