

## STATEMENT on RoHS / ELV COMPLIANCE

Rogers Corporation, as a supplier of High Frequency and Flexible Circuit Materials, is committed to providing materials, which are safe with respect to the environment and human health. In that regard, Rogers takes note of the European Union Restriction on Hazardous Substances (RoHS) directive (Directive 2002/95/EC), and the People's Republic of China Electronic Information Products Standard (Standard SJ/T 11363-2006, Classification EIP-A), which prohibits the following substances in amounts above specified thresholds in electrical and electronic equipment.

- Lead, does not exceed threshold of 0.1% by weight in the homogenous material
- Mercury, does not exceed threshold of 0.1% by weight in the homogenous material
- Cadmium, does not exceed threshold of 0.01% by weight in the homogenous material
- Hexavalent chromium, does not exceed threshold of 0.1% by weight in the homogenous material
- PBB, does not exceed threshold of 0.1% by weight in the homogenous material
- PBDEs, does not exceed threshold of 0.1% by weight in the homogenous material

Rogers also acknowledges the End-of Life Vehicles (ELV) directive (Directive 2000/53/EC), which prohibits the following substances in amounts above specified thresholds in automotive products.

- Lead, does not exceed threshold of 0.1% by weight in the homogenous material
- Mercury, does not exceed threshold of 0.1% by weight in the homogenous material
- Cadmium, does not exceed threshold of 0.01% by weight in the homogenous material

Rogers is able to advise that all of our High Frequency<sup>1</sup> and Flexible Circuit Materials<sup>2</sup> are in compliance<sup>3</sup> with the regulations stated above. A brominated aromatic imide is used in High Frequency products RO4350B™, RO4350B-TX™, and RO4330™ laminates and RO4450B™, RO4450B-DX™, RO4450F™, RO4430™, and RO4403™ bond-ply. This flame retardant has not been implicated in the possible production of dioxins, as have some other brominated flame retardants; and there are no known restrictions at this time.

Controlled Flame Retardants: Halogenated compounds are used as flame retardants in the adhesive layers of the R/flex CRYSTAL® 7XX0 and R/flex® 2XX5 series materials, and the total halogen content for both of these product lines will be greater than 2,000 ppm. All other R/flex product lines are considered to be halogen free<sup>3</sup>.

<sup>1</sup> High Frequency laminate and bond-ply products include (RO2800®, RO2808™, RO3003™, RO3006™, RO3010™, RO3203™, RO3206™, RO3035™, RO3210™, RO3263™, RO3730™, RO4003B™, RO4003C™, RO4232™, RO4233™, RO4730™, RO4350B™, RO4350B-TX™, RO4330™, RO4533™, RO4534™, RO4535™, RO4000® LoPro™ Laminates, RT/duroid® 5870, RT/duroid 5870NF, RT/duroid 5880, RT/duroid 5880NF, RT/duroid 5880LZ, RT/duroid 6202, RT/duroid 6202PR, RT/duroid 6002, RT/duroid 6002PR, RT/duroid 6006, RT/duroid 6010.2LM, RT/duroid 6010.5LM, RT/duroid 6010.8LM, TMM®3, TMM4, TMM5R, TMM6, TMM10, TMM10i, TMM13i, ULTRALAM®2000, and ULTRALAM 3850 laminates. RO4430™, RO4450B-TX™, RO4450B™, RO4450F™ bond-ply, ULTRALAM 3800 film, ULTRALAM 3908 bond-ply, 3001 bonding film)

<sup>2</sup> Circuit Materials include R/flex® 1XX0, 15XX, 2XX1, 2XX5, 8080LPXX, 3XXX, R/flex® CRYSTAL® 7XX0, and R/flex® JADE® JXX0 series products, where "X" represents a number from 0-9 in our product identifier.

<sup>3</sup> This claim is based solely on Material Safety Data Sheet (MSDS) information provided from suppliers of raw materials. Rogers Corporation accepts no responsibility for incomplete or inaccurate MSDS information. Rogers Corporation accepts no duty to notify users about changes to the stated claim. Rogers Corporation is not liable for any damages, direct or indirect, consequential or otherwise, that the reader might incur as a result of ignoring this warning, or that any third party might suffer as a result of reader's ignoring this warning.

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