

## **RoHS Product and Shipping Label Descriptions**

Toshiba Semiconductor Company utilizes the product classifications below on product and shipping labels to indicate compatibility status with the RoHS Directive:

**Lead(Pb)-Free<sup>1</sup>** - Toshiba Semiconductor Company defines “Lead(Pb)-Free” products as those containing no more than 0.1 percent Lead(Pb) by weight in Homogeneous Materials. This does not mean that Toshiba Semiconductor products labeled “Lead(Pb)-Free” are entirely free of Lead(Pb).

**Lead(Pb)-Free Finish<sup>1</sup>** - In addition to Lead(Pb)-Free products (products containing no more than 0.1 percent Lead(Pb) by weight in Homogeneous Materials), Toshiba Semiconductor Company will offer products that have Lead(Pb)-Free terminals, which will be referred to as “Lead(Pb)-Free Finish.” The Lead(Pb)-Free Finish products may contain greater than 0.1 percent Lead(Pb) by weight in Homogeneous Materials in portions of the product other than the terminals, but any such Lead(Pb) usage would fall within the application exemption(s) in the RoHS Directive, such as in internal solder used to connect the semiconductor silicon to the package. This does not mean that Toshiba Semiconductor products that are labeled “Lead(Pb)-Free Finish” have terminals that are entirely free of Lead(Pb).

**[[G]]RoHS COMPATIBLE** - “[[G]]RoHS COMPATIBLE” will be used on standard package labels of products, except for electrical and electronic equipment, that are determined to be RoHS Compatible by Toshiba Semiconductor Company by virtue of containing no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for Lead(Pb), mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium. This does not mean that Toshiba Semiconductor Company products labeled “[[G]]/RoHS COMPATIBLE” are entirely free of substances controlled by the RoHS Directive and does not constitute a warranty or guarantee that such products will comply with the specific laws and/or regulations adopted in any particular jurisdiction.

**RoHS COMPATIBLE** - “RoHS COMPATIBLE” will be used on standard package labels of electrical and electronic equipment determined to be RoHS Compatible by Toshiba Semiconductor Company by virtue of containing no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium. This does not mean that Toshiba Semiconductor Company products labeled “RoHS COMPATIBLE” are

entirely free of substances controlled by the RoHS Directive and does not constitute a warranty or guarantee that such products will comply with the specific laws and/or regulations adopted in any particular jurisdiction.

**RoHS COMPATIBLE, [[Chemical symbol(s) of controlled substance(s)]]>MCV**

“RoHS COMPATIBLE, [[Chemical symbol(s) of controlled substance(s)]]>MCV” will be used on standard package labels of electrical and electronic equipment that may contain one or more of the controlled substances under the RoHS Directive in quantities exceeding the maximum concentration values designated by Toshiba Semiconductor Company, but which fall under one or more of the application exemptions in the RoHS Directive. The chemical symbol(s) indicated on the label reflect the substance(s) that may exceed the maximum concentration values. For example, electrical and electronic equipment would be labeled “RoHS COMPATIBLE, [[Pb]]>MCV” when it contains more than a maximum concentration value of 0.1% by weight in Homogeneous Materials of Lead(Pb), but where such application falls within an exemption contained in the Annex to the RoHS Directive and the product otherwise contains no more than the maximum concentration values of the controlled substances. This does not mean that electrical and electronic equipment of Toshiba Semiconductor Company labeled “RoHS COMPATIBLE, [[Chemical symbol(s) of controlled substance(s)]]>MCV” is entirely free of controlled substances under the RoHS Directive and does not constitute a warranty that such products will comply with the specific laws and/or regulations adopted in any particular jurisdiction.

**[[G]]/RoHS [[Chemical symbol(s) of controlled substance(s)]] - [[G]]/RoHS**

[[Chemical symbol(s) of controlled substance(s)]]” will be used on standard package labels of products, except for electrical and electronic equipment, that may contain one or more of the controlled substances under the RoHS Directive in quantities exceeding the maximum concentration values designated by Toshiba Semiconductor Company, but which fall under one or more of the application exemptions in the RoHS Directive. The chemical symbol(s) indicated on the label reflect the substance(s) that may exceed the maximum concentration value(s). For example, a product would be labeled “[[G]]/RoHS [[Pb]]” when it contains more than a maximum concentration value of 0.1% by weight in Homogeneous Materials of Lead(Pb), but where such application falls within an exemption contained in the Annex to the RoHS Directive and the product otherwise contains no more than the maximum concentration values of the controlled substances. This does not mean that Toshiba Semiconductor Company products labeled “[[G]]/RoHS [[Chemical symbol(s) of controlled substance(s)]]” are entirely free of controlled substances under the RoHS Directive and does not constitute a warranty that such products will comply with the specific laws and/or regulations adopted in any particular jurisdiction.

**[[Chemical symbol(s) of controlled substance(s)]]/INCLUDES>MCV - “[[Chemical symbol(s) of controlled substance(s)]]/INCLUDES > MCV”** will be used on package labels of products except for electrical and electronic equipment, that Toshiba Semiconductor Company has determined NOT to be RoHS Compatible. The chemical symbol(s)

indicated on the label reflect the substance(s) that exceed the maximum concentration value as specified by Toshiba Semiconductor Company to determine if specific products are RoHS Compatible. MCV stands for maximum concentration value. For example, a semiconductor product would be labeled **[[Pb]]/INCLUDES > MCV** when it contains more than a maximum concentration value of 0.1% by weight of Lead(Pb) in Homogeneous Materials, and none of the exemptions contained in the Annex to the RoHS Directive apply.

**NON RoHS, [[Chemical symbol(s) of controlled substances(s)]>MCV** - “NON-RoHS, [[Chemical symbol(s) of controlled substance(s)] > MCV” will be used on package labels of electrical and electronic equipment that Toshiba Semiconductor Company has determined NOT to be RoHS Compatible. The chemical symbol(s) indicated on the label reflect the substance(s) that exceed the maximum concentration value as specified by Toshiba Semiconductor Company to determine if specific products are RoHS-Compatible. MCV stands for maximum concentration value. For example, electrical and electronic equipment would be labeled “NON-RoHS, [[Pb]] > MCV” when it contains more than a maximum concentration value of 0.1% by weight of Lead(Pb) in Homogeneous Materials, and none of the exemptions contained in the Annex to the RoHS Directive apply.

**NON-RoHS** - Toshiba Semiconductor Company has not confirmed, for each substance controlled by the RoHS Directive, whether or not products designated on standard package labels as “NON-RoHS” contain such controlled substances in more than the maximum concentration values by weight in Homogeneous Materials permitted by the RoHS Directive.

**RoHS N/A** - “RoHS N/A” will be used on standard package labels of the products that Toshiba Semiconductor Company has determined are not currently covered or regulated by the RoHS Directive.

**Legal Note** - These definitions are not intended to interpret the RoHS Directive or any other applicable law or regulation (collectively the “Laws”) and do not constitute legal advice. The Laws should always be read and understood (as they constitute the law), in contrast with the information contained herein, which is intended to be informative but has no legal authority. You should refer to the Laws for a full statement of the legal requirements and in the case of any doubt take independent advice, including your own legal advice. The Laws may be revised from time to time, so users should take care to keep themselves informed.

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<sup>1</sup>Please note that Toshiba Semiconductor Company is gradually phasing out “Lead(Pb)-Free” and “Lead(Pb)-Free Finish” packaging labels, but customers may still encounter these classifications in the interim.