

Subject: EU RoHS / ELV Exemptions Status

Dear Valued Customer,

Taiwan Semiconductor Co is committed to be in compliance with all applicable global laws, directives and regulations of RoHS/ELV.

Exemptions are given in the Annex III of the European Parliament Council Directive 2011/65/EU with regards to the exemptions in the use of lead. Some of these exemptions previously had an expiry date of July 21st, 2021. Current status is that several requests to renew existing exemptions as well as requests for new exemptions were submitted to the European Commission in the period October 2014 to January 2020. Existing exemptions for which a renewal request has been submitted remain valid until a decision on the renewal request is taken by the Commission.

The Commission decision on renewal request(s) for an exemption will either indicate the new expiry date in case of renewal, or, in case of rejection, grant a transition before the exemption expires, i.e. a period of minimum 12 months, maximum 18 months following the decision date.

(see: https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm)

The remaining specific exemptions to the prohibition of the use of hazardous substances in vehicles are listed in Annex II to the ELV Directive and are subject to regular reviews.

The applicable exemptions are currently outlined in EU RoHS and ELV:

Exemption		Description	Previous Expiry Date	Current Status	Directive Update
EU RoHS	7a	Lead up to 85% by weight in high-temperature solder alloys)	21 July 2021 Categories 1 to 7 and 10 (except for Exemption 24 capacitor applications)	Requested for renewal (existing exemptions remain valid)	(EU) 2018/742
	7c-I	Lead in glass or ceramics (including matrix compounds) other than for capacitor dielectrics (such as piezoelectronic devices)	21 July 2021 Categories 8, 9 (except for in-vitro diagnostic medical devices and industrial monitoring & control instruments) 21 July 2023 Category 8 in vitro 21 July 2024 Categories 9 Industrial & 11		(EU) 2018/736
ELV	8e	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)		This exemption shall be reviewed in 2024	C/2019/91 21 final

Exemption		Description	Previous Expiry Date	Current Status	Directive Update
	10a	Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound.			None

Taiwan Semiconductor will continue to work with various industry associations and with its customers in monitoring changes to these specific regulatory requirements and is committed to complying with any changes that will be implemented in the future.

The company will continuously search for alternatives or substitution in the elimination of lead in electronic components that uses high melting solders and glass.

Sincerely,

Smile Chung

Quality Reliability Assurance

Taiwan Semiconductor Co., Ltd.

