

REACH Article 33

Power Modules Products

REACH Article 33, Duty to communicate information on substances in articles

According to Regulation (EC) No 1907/2006 of the European parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), producers of articles containing substances of very high concern (SVHC) included on the candidate list¹⁾ in a concentration above 0.1% weight by weight shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.

On 10 September 2015 the EU Court of Justice ruled that each of the articles incorporated as a component of a complex product is covered by the duty to provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass. Flex uses this definition in its assessment of substances of very high concern in delivered power module products.

Table 1 lists the substances of very high concern on the candidate list as of **2018-01-15 (SVHC 181)** that has been found to be included in Flex power module products and packaging materials in a concentration above 0.1% of the mass of the included article. The assessment is based on Flex product material declarations on the lowest component level. The information is generic for all Flex power module products so a substance listed in table1 is not necessarily included in a specific product. Flex products are safe to use when used under normal operating conditions according to the product instructions.

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List of substances of very high concern for potential inclusion in REACH Annex XIV

<https://echa.europa.eu/candidate-list-table>

Table 1 Substance information

SUBSTANCE OF VERY HIGH CONCERN	CAS NUMBER	Component Category
Silicic acid, lead saltLEAD SILICATE	11120-22-2	Resistor
Lead titanium trioxidePbTiO ₃	12060-00-3	Metal resistor
Diboron trioxideB ₂ O ₃	1303-86-2	Resistor Diode
Lead monoxide (lead oxide)PbO	1317-36-8	Resistor Diode Hybrid circuit Metal resistor