Subject: REACH Statement

Dear Customer,

Kontron is committed to handle its products and processes in a manner that minimizes the risk to the health and safety of human beings and to the environment.

Concerning your inquiry regarding the REACH Regulation, we confirm that KONTRON is aware of its obligations originating from the REACH Regulation.

You procure articles (not chemicals) from Kontron, which are not intended to release any substance under normal and reasonably foreseeable conditions of use. Consequently, the obligations in No. 1 and 2 paragraphs in Annex are not relevant here.

The ECHA (European Chemicals Agency) Candidate List of Substances of Very High Concern (SVHCs) is monitored regularly by Kontron for new substances and disclosure of SVHCs is mandatory during inquiries with our approved manufacturers. Through communication with our chemicals suppliers, we try to safeguard the delivery of all chemicals which are necessary for Kontron.

On September 10 2015, the European Court of Justice ruled that each of the articles incorporated in a complex product remain as articles and SVHCs present above 0.1% of their mass must still be disclosed.

According to the information gathered from our approved manufacturers, some have disclosed the presence of SVHCs within their products/parts above a concentration of 0.1%, based on the list of **197 SVHCs** last updated on **2019-01-15**. Kontron is therefore following its “Communication of information on substances in articles” obligations by confirming the presence of the following SVHC within some of its products, including products from third parties or packaging materials:

SVHC	CAS Number	Components Type	Comments
1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	Lithium batteries	This substance is used as a solvent for electrolyte inside some lithium batteries.
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	Electrolytic capacitors Wires and cables Connectors adapters	This substance is used in the PVC sleeves of some electrolytic capacitors and wires. It is also present in some DVI adaptors.
N,N-dimethylacetamide	127-19-5	Electrolytic capacitors	This substance is used in the electrolyte of very few electrolytic capacitors.
Dibutyltin dichloride (DBTC)	683-18-1	Electrolytic capacitors Wires and cables	This substance is used in the PVC sleeves of some electrolytic capacitors and wires.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	Cable Clamp	This substance is used as a plasticizer in PVC in very few plastic connectors housing.
Cadmium	7440-43-9	Military Grade Connectors, Strain Relief, Aerospace Grade Washers, Protective Cap	This substance is used for the plating of specialized military grade or aerospace grade components.
Lead titanium zirconium oxide	12626-81-2	Ceramic Filters, Piezoelectric Sounder/Buzzer, Shock Sensor (in HDD)	This substance is used in the ceramic element of very few ceramic filters and piezoelectric sounder/buzzer.
Trixylyl phosphate	25155-23-1	Adhesive Tape	This substance is used as one of the constituent of an adhesive tape used in very few products.
4-Nonylphenol, branched and linear, ethoxylated	None	Static Dissipative Vinyl Protective Cap	This substance is used to make PVC static dissipative.
Lead	7439-92-1	RoHS Components with exemptions for Lead, Non-RoHS Components	This substance is used in components requiring an exemption for Lead to be RoHS compliant. It is also present in specific non-RoHS compliant components used for non-RoHS products outside the scope of the RoHS directive.
Hexahydromethylphthalic anhydride	25550-51-0	LED	This substance is used in material base in LED..

If you require a product specific declaration, you may forward your inquiry to Kontron Technical Support with the list of products for which you want to get this declaration.

Regarding the restrictons listed in Annex XVII of the REACH legislation, Kontron products, including products from third parties or packaging materials, comply with these restrictions.
Please understand that KONTRON is not performing any chemical analysis on its products to testify REACH compliance and is therefore not able to fill out any detailed inquiry forms.

Consequently, KONTRON will provide any necessary information once the relevant data is available from the supply chain if and when we have evidence that any other suspected substances are incorporated in our products, including products from third parties or packaging materials.

Additionally, we are working on the removal of some of these identified SVHCs whenever it is possible and will update this declaration accordingly. We are prioritizing the removal of SVHC that have been added into the RoHS Directive under Commission Delegated Directive (EU) 2015/863.

All enclosed information has been given to the best of our knowledge and belief under actual circumstances. The information given implies no warranty within the meaning of the warranty law. We hope to have answered this inquiry to your satisfaction.

Do not hesitate to contact us if you have any further questions on this matter.

Thank you for your interest in Kontron products.

Thomas Neumann
Head of Manufacturing Engineering and
Material Data Management KEU

Annex:

On 1 June 2007 Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals ("REACH" for short) came into force.

REACH contains the following regulations:

1. From 1 June 2008, manufacturers of substances, and importers of substances as such or of substances in preparations (mixtures) into the European Community (EC) and the European Economic Area (EEA), must register these substances with the European Chemicals Agency if the substances in question are manufactured or imported in quantities of at least 1 t/a and if they are not substances that are exempted from compulsory registration. So-called "phase-in substances" – these are, for example, substances that are shown on the existing substances list EINECS – can be preregistered between 1 June 2008 and 1 December 2008. Pre-registered substances do not have to be registered until later, depending on the quantity manufactured/imported.

2. Suppliers of substances and preparations must provide the recipient with either a safety data sheet (Article 31) or safety information (Article 32). In certain cases, the safety data sheet will be supplemented by an annex ("extended safety data sheet") showing the relevant exposure scenarios.

3. Manufacturers and importers of articles that contain more than 0.1 mass percent per article of a substance on the "candidate list" shall provide the professional recipient and on request a consumer of the article with sufficient information to allow safe use of the article, including, as a minimum, the name of that substance. If all these articles contain more than 1 t/a, a notification to the European Chemicals Agency (ECHA) is necessary, however, not before 1 June 2011.

4. From 1 June 2008, users of chemicals (substances and preparations/mixtures) – so-called "downstream users" – will have to comply with other obligations, but in some cases only after they have received an extended safety data sheet. Downstream users can provide appropriate information so as to assist the manufacturers of substances and importers of substances and preparations in registering them.