

## Notice on REACH

In 2006 the European Parliament accepted Directive **REACH** (Registration, Evaluation and Authorization of Chemicals) that came into force on June 1, 2007.

Directive **REACH** (EC 1907/2006) is aimed at improving human health and environment by identifying properties of chemicals and gradually replacing the most dangerous substances.

The purpose of Directive **REACH** is to provide accessibility to ecological data concerning the forbidden chemicals and to provide information about using chemicals and their products to all participants of the logistic chain.

European Chemicals Agency (ECHA) publishes a list of substances of very high concern. This list (Candidate List of Substances of Very High Concern – SVHC) is regularly updated, the latest information about the dangerous substances can be found following the link <https://echa.europa.eu/candidate-list-table>.

Every supplier has to inform its customers if fraction of a forbidden substance by weight in their product exceeds 0,1% or if total volume of annual production or the forbidden substance exceeds 1 ton per year.

We constantly monitor and analyze changes in the SVHC list.

**The latest update made by ECHA was published on June 25, 2020.**

**Additional 4 items** were included into the list:

- ✓ Dibutylbis(pentane-2,4-dionato-O,O')tin
- ✓ Butyl 4-hydroxybenzoate
- ✓ 2-methylimidazole
- ✓ 1-vinylimidazole

All power semiconductor devices of Proton-Electrotex JSC supplied to EU and other countries conform to the **REACH** directive.

In our production we use some of the substances (boric acid and trichloroethylene) which are not recommended for use by the REACH directive.

However, these substances are not contained in the final product. Annual volume of consumption is insignificant: boric acid  $\approx$  35 kg/year, trichloroethylene  $\approx$  1600kg/year.

1. Boric acid is included in a composition used for diffusion process to create a p-n junction. Boric acid resolves during the diffusion process and boron remains in the final product.
2. Trichloroethylene is not contained in finished products, it is used as a cleaning substance for quartz tubes. The process takes place in an enclosed space and trichloroethylene is removed through ventilation system having no negative impact on health of employees. At the moment we are not able to exclude or replace trichloroethylene in our technological process.

We are always ready to provide our customers with information about any chemicals in our products.

We encourage all suppliers of Proton-Electrotex, JSC to follow requirements of the **REACH** directive and to provide the type and amount of any dangerous substances contained in the products and used in production processes on our request.

General Director

A.Y. Semenov

