

GRUNDFOS Holding A/S

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Information regarding REACH Candidate List of Substances of Very High Concern for Authorization

At Grundfos, we run our business in a responsible and ever more sustainable way. We are committed to creating products and solutions that help our customers and the surrounding world conserve natural resources and reduce climate impacts.

To give our suppliers, contractors and other relevant stakeholders world wide a tool to help comply with this, we have devised the Grundfos Focus List, which bans or restricts the use of certain chemical substances in Grundfos products, Grundfos production processes and at Grundfos facilities.

The process set-out in Grundfos is to phase out the use of the Substances of Very High Concern (SVHC) from the REACH Candidate List (<http://www.echa.europa.eu/web/guest/candidate-list-table>).

Following substances are part of the REACH Candidate List of Substances of Very High Concern for Authorization. We are making an exemption from our internal procedures, since a timely phase out is not possible.

Diocetyl tin derivatives (DOTE), CAS No. 15571-58-1

Molded PVC parts with DOTE content > 0,1% affects the following products:

- Smart Digital dosing pumps (DDA, DDC, DDE)
- Chlorine gas dosing systems and injectors
- PVC connection sets and valves

Octamethylcyclotetrasiloxane, CAS No. 556-67-2; Dodecamethylcyclohexasiloxane, CAS No. 540-97-6; Decamethylcyclopentasiloxane, CAS No. 541-02-6

Silicone sealant with above mentioned siloxane content > 0,1% affects the following products:

- DMX 221 dosing pumps

Ethylene glycol dimethyl ether (EGDME), CAS No. 110-71-4

Button cell batteries with EGDME content > 0,1% affects the following products:

- Controller DIA, DIS, DID and DIP series
- Controller of Oxiperm Pro OCD-162, Oxiperm OCC-164 and Oxiperm OCD-164

Lead; CAS No. 7439-92-1

Lead is only used in applications that are declared as exemptions in the EU RoHS Directive and the purpose of the RoHS directive is to eliminate risk of harm:

- 6(c): Copper alloy containing up to 4% lead by weight (used in fittings, unions etc.)
- 6(b): Lead as an alloying element in aluminum containing up to 0,4% by weight (used in very few parts)
- 6(a): Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight (used in very few parts)
- 7(a): Lead in high melting temperature type solders (used in electronic components)
- 7(c)-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo electronic devices, or in a glass or ceramic matrix compound.

Grundfos is preparing to fulfill the SCIP obligations which enter into force on January 5, 2021 as set-out in the Waste Framework Directive (2008/98/EC). Therefore, Grundfos has established a digital platform in order to on-board our suppliers to collect relevant information. With this new digital platform, we will at a very detailed level be able to monitor declarable substances in the products. The work is still ongoing and therefore we do our best to provide relevant information to help our customers prepare to fulfill their SCIP obligations. For the time being, this will be via this e-mail and below link. In the coming months, we will provide the more detailed information via our website.

Grundfos Holding A/S strives to achieve that all suppliers of raw materials and components to the Grundfos Group enter into contractual obligations to comply with the chemical legislation listed in the Focus List; <http://www.grundfos.com/focus-list>. Therefore as information is passed on in the supply chain we will provide further information at our dedicated website: <https://www.grundfos.com/products/product-sustainability/Product-chemical-compliance.html>

In case of any questions please contact us at the e-mail: focus-list@grundfos.com and use the subject: "REACH SVHC"

Yours sincerely,
GRUNDFOS Holding A/S


Katrina Sonne Einhorn
Director, Product Compliance