

List of Prohibited and Restricted Substances, ver. 1.14.

This document is valid as of 2019-08-01

The objective with List of Prohibited and Restricted Substances is to achieve compliance with legislation. Legislative changes in between two versions of the list shall always be considered.

This document provides information about "Prohibited substances", substances that must not be used, and "Restricted substances", substances whose use should be limited.

The scope for this list is goods supplied, product development, production processes, products, packaging materials, service activities and construction sites.

Principles

The purpose of this list is to comply with legislation to avoid chemical elements and compounds that may represent hazards to the environment or the health of workers, customers, consumers and other stakeholders, or could negatively influence end-of-life properties or might cause other concerns.

This document contains substances relevant to ABB. The document is reviewed and updated twice per year, in January and July/ August mainly based on the update of REACH Candidate list in January and in the middle of the year.

Prohibited substances must not be used in concentrations that exceed the thresholds under the law. For restricted substances above 0.1% w/w* or other limits according to legislation (see column "Comments"), active work shall be performed to eliminate the substances or to find less hazardous alternatives which, could be introduced as soon as it is technically and economically possible.

*The concentration of chemical elements and compounds shall be calculated for constituent articles in a product. See Updated ECHA Guidance

How to read this list

Substance name

Name of chemical element or compound.

CAS No.

CAS Registry Numbers are unique numerical identifiers assigned by the Chemical Abstracts Service to every chemical described in the open scientific literature.

Reason for inclusion

The reason for a chemical element or compound to be on this list is its inherent properties that make it hazardous for humans or for the environment.

- PBT - Persistent, Bioaccumulating and Toxic
- vPvB - very Persistent and very Bioaccumulating
- STOT - Specific target organ toxicity

ABB classification

Classification in Prohibited (P) and Restricted (R). Note that a chemical may be Restricted in certain applications and Prohibited in others.

Legislation

A reference list to relevant legislation.

Example of applications

Example of applications where a specific chemical element or compound is used.

Comments

Information about EU REACH Sunset dates and non-EU legislation thresholds and limits.