



Alfa Laval Restricted Substance List

Formerly known as the Alfa Laval Group's Black and Grey List

Introduction:

The Alfa Laval Restricted Substance List (AL RSL) provides information about restrictions on the presence of substances in Alfa Laval Groups processes and products (materials, components and parts of our products) as well as packaging. The list comprises of legislations and global agreement deemed relevant for our products and area of business. Any presence of substances regulated in the listed legislations must be reported to Alfa Laval for further evaluation. The list does not cover specific national legislations.

The Alfa Laval Restricted Substance List supersede Alfa Laval Group Black and Grey List.

The AL RSL list is divided into three different categories:

- **Banned** substances are substances which are prohibited¹.
- **Restricted** substances are prohibited in certain applications relevant to the Alfa Laval group. A restricted substance may be used if the application is unmistakably outside the scope of the legislation in question.
- **Substances of Concern (SoC)** are substances where presence must be evaluated and monitored. This includes substances currently being evaluated for regulations applicable to the Banned or Restricted categories, or substances with legal requirements for reporting and/or monitoring. Responsible product owners must be aware of the associated legal notification requirements and the risks with continued use of a Substance of Concern. They must also ensure legal compliance to these requirements.

1. Prohibited to use, or put on the market, regardless of application.

Alfa Laval Restricted Substance List

The legislative list:

Banned

- EU Directive 2013/59/Euratom on ionizing radiation
- EU Regulation 1005/2009/EC on substances that deplete the ozone layer
- EU Regulation 2019/1021/EC on persistent organic pollutants Annex I, POP
- EU Regulation 1907/2006/EC REACH Annex XIV
- EU Regulation 1907/2006/EC REACH Annex XVII, entries 1, 6, 24-26, 45.

Restricted

- EU Regulation 517/2014/EC on fluorinated greenhouse gases
- EU Regulation 2019/1021/EC on persistent organic pollutants Annex II, POP
- EU Regulation 649/2012/EC concerning the import and export of hazardous chemicals, PIC
- EU Regulation 1907/2006/EC REACH Annex XVII, entries 2, 4, 5, 7, 8, 12-21, 23, 31-38, 41, 43, 46, 47, 49, 50, 58, 59-62, 64, 68, 70-71, 74, 76
- EU Directive 2011/65/EU RoHS 2
- EU Directive 2006/66/EC on batteries and accumulators and waste batteries and accumulators
- EU Directive 94/62/EC on packaging and packaging waste
- MEPC 269(68)
- EU Regulation 1257/2013/EC on ship recycling
- EU 2017/852 Regulation on mercury
- EU Directive 98/70/EC on the quality of petrol and diesel fuels
- EU Regulation 2019/1021 on persistent organic pollutants Annex III, POP

Substances of Concern

- Stockholm Convention: Proposed POP Candidates
- US Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502
- REACH: Current recommendations for inclusion in the Authorisation List
- REACH: Candidate List of Substances of Very High Concern for Authorisation
- REACH: Substances on the Registry of SVHC intentions until outcome (pre-proposal)
- REACH: Proposals to identify Substances of Very High Concern (submitted)
- REACH: Restrictions under consideration (if proposed restriction is applicable to Banned or Restricted categories)
- EU Regulation 2021/821 Dual Use (recast)

For detailed information on the specific substances in the above regulations, please request/see the associated supporting document "AL RSL – individual substances" (document number CRC-22-002).

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Changes from previous list/revision

Below you find the main changes the AL RSL implies compared to the former Alfa Laval Group Black and Grey List:

- **Layout:**

The former list has now been split into two parts:

- “Alfa Laval Restricted Substance List” (AL RSL). The legislative list and primary reference. To assess and to report on.
- “AL RSL – individual substances” (document number CRC-22-002), all identified relevant substances in the format of an excel spread sheet. Available for external parties upon request.

- **Added substances/restrictions:**

- EU Regulation 1907/2006/EC REACH Annex XVII, restrictions:
 - [Entry 68](#) and [Entry 76](#)
- REACH: Candidate List of Substances of Very High Concern for Authorisation (so called SVHCs)
 - 10 new individual substances identified as SVHCs ([link](#))