Document number: CRC-22-001
First edition date: 2022-02-28
Revision number 4.1
Valid thru: 2027-02-28

Alfa Laval Restricted Substance 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 includes legislations and global agreement deemed relevant for our products and area of business. This requirement is in addition to any local legislations. Any presence of substances regulated in the listed legislations must be reported to Alfa Laval for further evaluation.

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

The AL RSL list is divided into three different categories:

- **Banned** substances are substances which are prohibited.[1]
- **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.
- **Risk substances**[2] are substances which 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 ensure legal compliance with these requirements. They shall also evaluate the potential risks with continued use of a risk substance.

1. *Prohibited use, or put on the market, regardless of application. Thresholds might apply.*
2. *Category formerly known as "Substance of Concern"*

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The legislative list

Banned

- EU Directive 2013/59/Euratom on ionizing radiation
- EU Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I
- Stockholm Convention. Substances listed in Annex A: Elimination
- 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, 68

Restricted

- EU Regulation 2024/573/EC on fluorinated greenhouse gases
- Stockholm Convention. Substances listed in Annex B: Restriction
- 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, 12-21, 23, 31, 32, 34-38, 41, 43, 45, 46, 47, 49, 59-63, 70, 71, 74, 76, 80, 81, 83
- EU Directive 2011/65/EU RoHS 2
- EU Regulation 2023/1542/EC on batteries and waste batteries
- EU Regulation 2025/40 on packaging and packaging waste
- Resolution MEPC 379(80) - IMO regulation 2023 Guidelines for the development of the Inventory of Hazardous Materials
- EU Regulation 1257/2013/EC on ship recycling and amending
- EU Regulation 2017/852 on mercury
- US Toxic Substances Control Act Section 6(h): Regulation of Persistent, Bioaccumulative, and Toxic Chemicals Under TSCA Section 6(h)

Risk Substances

- Stockholm Convention: Proposed POP Candidates
- US 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: Proposals to identify Substances of Very High Concern (submitted)
- REACH: Submitted restrictions under consideration (if proposed restriction is applicable to Banned or Restricted categories)
- EU Regulation 2021/821 Dual Use (recast)
- EU Regulation 2024/590/EC on substances that deplete the ozone layer, Annex II

For detailed information on the specific substances in the above regulations, please request the associated supporting document "AL RSL – individual substances" (document number CRC-22-002 rev 4.1).

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Changes from previous revision of AL RSL

This revision is a scheduled minor update mainly to include any new substances added to the EU REACH Candidate List, as communicated by the EU Chemical Agency (ECHA). In addition to the EU REACH Candidate List, REACH Annex XVII and Annex XIV have been included in the review to identify any changes. A summary of relevant changes is given below.

The legislative list, updates

- EU Regulation 1907/2006/EC REACH Annex XVII:
  - Entry 83 has been added to RSL

- EU Regulation 1907/2006/EC REACH Annex XVII:
  - Entry 50 has been removed in RSL

Applicable updates to all the listed regulations have been included in the "AL RSL – individual substances" (document number CRC-22-002 rev 4.1).

Updated information on substances and restrictions

Restricted substances

- REACH Annex XVII (restrictions) - EC 1907/2006 (EU regulation):
  - One new substance 2,4-Dinitrotoluene, CAS No 121-14-2 has been added *(Entry 83 in REACH Annex XVII)*

- REACH Annex XVII (restrictions) - EC 1907/2006 (EU regulation):
  - Substances listed under Entry 50 have been removed from RSL.

Applicable updates have been included in the "AL RSL – individual substances" (document number CRC-22-002 rev 4.1).

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