



# 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 includes 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. This requirement is in addition to any national/local legislations.

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.<sup>1</sup>
- **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 ensure legal compliance to these requirements. They shall also evaluate the potential risks with continued use of a Substance of Concern.

*1. Prohibited to use, or put on the market, regardless of application. Thresholds might apply.*

## Alfa Laval Restricted Substance List

### The legislative list

#### Banned

- EU Directive 2013/59/Euratom on ionizing radiation
- EU Regulation 2024/590/EC on substances that deplete the ozone layer
- 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, 7, 8, 12-21, 23, 31-38, 41, 43, 45, 46, 47, 49, 50, 59-63, 71, 74, 76
- EU Directive 2011/65/EU RoHS 2
- EU Regulation 2023/1542/EC on batteries and waste batteries
- EU Directive 94/62/EC on packaging and packaging waste
- MEPC 379(80)
- EU Regulation 1257/2013/EC on ship recycling
- EU 2017/852 Regulation on mercury
- US Toxic Substances Control Act Section 6(h): Regulation of Persistent, Bioaccumulative, and Toxic Chemicals Under TSCA Section 6(h)

#### Substances of Concern

- 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)

*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 2.1).*

## Alfa Laval Restricted Substance List

### Changes from previous revision of RSL

This revision is a minor update mainly to include the new SVHC on the REACH Candidate List, communicated by ECHA 27 June 2024. A summary of relevant changes is given below.

#### The legislative list, updates:

- New Regulation (EU) No 2024/590 on substances that deplete the ozone layer, replaces Regulation (EC) No 1005/2009.
- New Regulation (EU) No 2024/573 on fluorinated greenhouse gases, replaces Regulation (EC) No 517/2014.
- New Regulation (EU) 2023/1542 concerning batteries and waste batteries, amends Directive 2008/98/EC and Regulation (EU) 2019/1020 and replaces Directive 2006/66/EC.
- EU Regulation 1907/2006/EC REACH Annex XVII: entries 58, 64, 68 and 70 have been removed from RSL (not considered relevant for Alfa Laval)

Applicable updates to all the listed regulations have been included in the "AL RSL – individual substances" (document number CRC-22-002 rev 2.1).

### Updated information on substances and restrictions

#### **Banned substances:**

*EU Regulation 1907/2006/EC REACH Annex XVII*

- Entry 68 (PFCAs and related) has changed from Restricted to Banned due to threshold < 0.01%.

#### **Restricted substances:**

*EU Regulation 1907/2006/EC REACH Annex XVII:*

- Entry 45 (diphenyl ether, octabromo derivative) has changed from Banned to Restricted due to threshold < 0.1%.

## Alfa Laval Restricted Substance List

### **Substances of concern:**

*REACH Candidate List of Substances of Very High Concern for Authorisation (SVHC)*

Link: All news - ECHA ([europa.eu](https://eucha.eu))

- There is one new substance on the Candidate List: Bis(a,a-dimethylbenzyl) peroxide, CAS No 80-43-3 and EC No 201-279-3
- Four new substances are proposed for the Candidate List
- Bisphenol A (CAS No 80-05-7) is recommended for inclusion in the Authorisation List.