

February 2024

Subject: REACH Annex XVII, Restrictions

Solenis confirms that it complies with the REACH Annex XVII legislation.

On June 1, 2009, the Annex XVII of REACH, “Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles,” entered into force.

On **December 12th, 2023**, ECHA updated the list of Substances restricted under REACH, which now contains **73** unique substances, though **78** entries listed. Please use the link provided below to access the latest version of the list which includes all the restrictions adopted in the framework of REACH and the previous legislation, Directive 76/769/EEC. Each entry shows a substance, a group of substances, or a substance in a mixture, and the consequent restriction conditions.

<https://echa.europa.eu/substances-restricted-under-reach>

If Annex XVII substances are present in Solenis European product portfolio at $\geq 0.1\%$, it will be confirmed by its display on the Product’s Safety Data Sheet in sections 3 and 15 in line with the restrictions as specified in the Annex XVII. Please see appendix for a list of all substances present in Solenis’ European portfolio and the confirmation of the applicability of the restriction.

Please note that the restricted substances (on their own, in a mixture or in an article) are substances for which manufacture, placing on the market or use is limited or banned in the European Union.

We trust this information satisfies your needs on this subject.

If you have questions, please send an email to REACH-Solenis@solenis.com

Yours Sincerely,
Product Regulatory REACH Team
REACH-Solenis@solenis.com

Solenis Netherlands B.V.

De Corridor 4 3621 ZB Breukelen The Netherlands
Geregistreerd bij de Kamer van Koophandel onder nummer 60529075

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Appendix

The table below presents an overview of the outcome of a review of Solenis' products currently on the European market and the impact of Annex XVII substances. Please note that the *Entry Description and Summary Condition of restriction* below are excerpts. To see the complete document, please visit link below and search for the corresponding Entry number.

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Entry number	Entry Description	Summary Condition of restriction	Applicability to Solenis' Products
3	Dangerous Liquid substances or mixtures [1999/45/EC] or cat. Annex I to Regulation (EC) 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 cat. 1 and 2, 2.14 cat. 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; /(d) hazard class 5.1.	Shall not be used in - Ornamental articles intended to produce light or colour effects -Tricks and jokes, -Games for one or more participants, or any article intended to be used as such. -Decorative oil lamps for supply to the general public. -Lamp oils and grill lighters.	Conditions of Restriction do not apply; Solenis' products applications are related to Pulp and paper and Industrial water applications, hence the conditions of Restriction for entry number 3 do not apply to Solenis' Products applications.
28	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	Shall not be placed on the market, or used, as substances / mixtures — as constituents of other substances, - for supply to the general public Restricted to professional users' except -medicinal or veterinary products [2001/82/EC & 2001/83/EC; -cosmetic products [76/768/EEC] motor fuels [98/70/EC] -artists' paints covered by Regulation (EC) No 1272/2008;	Solenis product applications are related to Pulp and paper and Industrial water applications, and not supplied to the general public Conditions of Restriction do not apply
30	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	Same summary conditions as in entry 28	Most Solenis product applications are related to Pulp and paper and Industrial water applications, and not supplied to the general public. If a product is supplied to the general public entry 30 substances contained in mixtures are within permitted limit.
65	Inorganic ammonium salts	Shall not be placed on the market or use in cellulose insulation mixtures or cellulose insulation articles	Conditions of Restriction do not apply; Solenis product applications are related to Pulp and paper and Industrial water applications.

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