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Prohibited and restricted substances in Scania's products

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Introduction

The use of certain substances in products may be of concern to human health and the environment.

Scania has decided on restrictions in the use of certain substances in products.

This standard refers to substances that remain in Scania's products at the point of sale and which must not be present (Prohibited), or should not be present (Restricted).

Associated standards are:

- STD4159 "Chemical substances with limited use Scania - Scania Grey list" and STD4158 "Chemical substances which must not be used - Scania Black list". Chemical products used within Scania operations and/or sold by Scania shall fulfil these standards.
- STD4352en "Reporting of substances and material composition of product-related parts to IMDS", which specify the requirements for reporting to International Material Data System (IMDS).
- STD4384 "Criteria for limitation and reporting of chemical substances" (only for Scania internal distribution).

This standard shall be regarded as a complement to requirements by legislation and agreements.

Changes from previous issue

Restricted substance Deca-BDE [CAS no. 1163-19-5] was listed on the REACH Candidate List and therefore, it was removed as separate entry.



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1 Scope and field of application

This standard applies when referred to in documentation.

The standard applies to changed and new products and refers to substances that are expected to be present in a material or parts that remain in the product at the point of sale. For example, the standard applies to the substances in the cured paint of the part but not to the solvents which evaporate during the painting process.

Substances in materials and parts used only in product development, production processes, the sales and service network or in processes concerning facilities and maintenance are not covered by this standard.

The standard refers to the use of substances in concentrations ≥ 0.1 % (weight) in non-separable, homogeneous materials, not on the total content in the component. This limit applies unless otherwise stated.

In special cases when functional requirements dictate that a substance with restrictions has to be used, exemptions can be granted. In such cases, this shall be evident in the requirement specification.

Observe that this is a Scania Standard. Any legal requirement concerning the use of hazardous substances exceeding this standard must be fulfilled.

2 Prohibited substances

Prohibited substances must not be present in Scania products.

Prohibited substances are either prohibited by regulation for use in certain applications, or must not exceed certain regulated threshold limits.

Prohibited substances in products are classified as "Prohibited" in GADSL¹⁾, with certain exceptions:

- The prohibitions in GADSL with reference to the ELV-directive²⁾ (2000/53/EC) for the use of mercury, cadmium, lead, including their compounds, and chromium(VI)-salts, do not apply.

In GADSL, some substances are classified as Prohibited in certain applications while they are classified as Declarable in other applications. The prohibition in this standard applies to the applications where the substance is classified as Prohibited. In the event that adequate information about the application is missing, the substance must be treated as Prohibited .

¹ Global Automotive Declarable Substance List, see <http://www.gadsl.org> or <http://plastics.americanchemistry.com/Stand-Alone-Content/Global-Automotive-Declarable-Substance-List.html>

² Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of-life vehicles (ELV)



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3 Restricted substances

Restricted substances should not be present in Scania products.

Active work shall be carried out to find less hazardous alternatives to be introduced as soon as technically and economically possible.

Restricted substances are identified by Scania as prioritised substances of concern due to effects to human health, environment and/or risk for future prohibition.

Restricted substances are:

- Substances included in the Candidate List of Substances of Very High Concern³⁾ for Authorisation under REACH⁴⁾
 - No exemption will be granted for the use of substances on the Candidate List that are subject to authorisation by the European Commission, i.e. are included in Annex XIV of REACH⁴⁾.
- Mercury, cadmium, lead and chromium(VI)-salts (substances regulated by the ELV directive 2000/53/EC⁵⁾.
 - The threshold level for the use of cadmium is 0.01% (weight)
 - The use in applications exempted in Annex II of the ELV-directive will be allowed without the requirement for further evaluation of possible alternatives. However, the timing of the marketing of the product versus the expiry date of an existing exemption needs to be considered. For example, currently valid exemptions which will expire before start of production or shortly after will not be allowed without an evaluation of possible alternatives.

4 Appurtenant documents

The documents listed below supplement this standard and are necessary for the application of the standard.

The latest issue of the document applies when the issue has not been stated.

³ Substances identified as identified as Substances of Very High Concern (SVHC) under REACH, <http://echa.europa.eu/web/guest/candidate-list-table>

⁴ Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH), Regulation EC 1907/2006, http://echa.europa.eu/home_en.asp

⁵ Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of-life vehicles (ELV)



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Document designation	Issue	Title
Global Automotive Declarable Substance List (GADSL)	-	A global list of substances which are of concern to human health, the environment, recycling or waste-disposal. The GADSL is prepared in cooperation between automobile manufacturers, tier suppliers and material suppliers. The GADSL only covers substances that are expected to be present in a material or part that remains in the vehicle or part at the point of sale. The list is published on http://plastics.americanchemistry.com/Stand-Alone-Content/Global-Automotive-Declarable-Substance-List.html
Candidate list under RECh (Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals)	-	The Candidate List of Substances of Very High Concern (SVHC) for Authorisation. The list is issued by European Chemicals Agency (ECHA) and includes substances that may have very serious and often irreversible effects on humans and the environment. The Candidate List is updated regularly. Substances on Candidate List may subsequently become subject to authorisation by decision of the European Commission, and included in Annex XIV in RECh. The Candidate list is published on the ECHA website, http://echa.europa.eu/web/guest/candidate-list-table
Authorisation list (Annex XIV) under RECh (Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals)	-	Substances on the Authorisation List cannot be placed on the market or used after the so-called "sunset date". Unless specific exceptions apply, these substances may be placed on the market only if an authorisation has been granted for a specific use, or the use has been exempted from authorisation. The list is issued by European Chemicals Agency (ECHA) and included in Annex XIV in RECh. The list is published on the ECHA website, http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list
The ELV-directive, (Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of-life)	-	The ELV-Directive aims at prevention of waste from vehicles and at re-use, recycling and recovery of vehicles and parts. Article 4 in the directive limits the use of some hazardous substances (mercury, lead, hexavalent chromium and cadmium) in materials in vehicles with a total weight < 3.5 tonnes. Exemptions from the limitations are listed in the Annex II of the directive. The Annex II is amended on a regular basis. The ELV-directive and the amendments of Annex II can be found via EUR-Lex, http://eur-lex.europa.eu/en/index.htm