


	STD4159	 SCANIA
Revision 42		Info class Public

Restricted Substances – Chemical Substances with limited use in Chemical Products within Scania General

Foreword

This Scania standard (STD) applies when referred to on a Scania drawing or as a normative reference in supplementary requirement documents.

The procedures used to develop this document and those intended for its further maintenance are described in STD4444 *Document Rules for Scania Corporate Standards (STD) Rules, Application and Process*.

In this STD, all non-company standards are referred as international standards (e.g.: ISO, EN). These international standards are available as national edition at the respective national standardisation organisation (e.g.: DIN ISO, SS-ISO, DIN EN, SS-EN).

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Make sure that you have the latest version of this standard. Latest version is the electronic issue distributed by Scania's function Corporate Standards and if applicable to relevant suppliers via suppliers portal.

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		Distribution: This Scania Standard is distributed internally and also externally.

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Changes from previous revision

Clarification that the restriction refers to all use of the chemical substances ≥ 0.1 % (weight), no change in requirements.

Changes are shaded.

Introduction

There are no international or national equivalents to this standard. This standard shall be regarded as a complement to international and national requirements by legislation and agreements.

Please note that this is a Scania Standard. Legal requirements concerning the use of hazardous chemical substances in different countries not covered by this standard must be fulfilled.

Associated standards are:

- STD4158 Prohibited substances - Chemical Substances which must not be used in Chemical Products within Scania - General
- STD4160 List of Prohibited and Restricted substances in chemical products
- CVS55 Prohibited and Restricted Substances in products.

1 Scope

According to a decision by Scania, restrictions have been introduced with respect to the use of certain chemical substances. Restricted chemical substances covered by the criteria in this standard should not be present in chemical products used in Scania's product development, production processes or the sales and service network or Scania's processes concerning facilities and maintenance.

2 Terms, definitions and abbreviations

Chemical product is a chemical substance or mixture, such as hydrochloric acid, glue, paint and coolant. Note that a chemical substance /mixture may also be included in a part such as explosive in an airbag.

3 Criteria

Substances that fulfil one of the following requirements should not be used regardless of if the substance is explicitly listed in accompanied STD4160 or not. The restriction refers to all use of the chemical substances ≥ 0.1 % (weight). This limit applies if not stated otherwise in the STD4160.

- The use of the substance will be prohibited by law at a known date.
- All substances classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR), category 1A and 1B, see Table 1 below.
- The substance is classified as a Substance of Very High Concern (SVHC) according to REACH¹) Article 57.
- SVHC includes substances which are:
 - Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) according to Table 1 below
 - Persistent, Bio-accumulative and Toxic (PBT)
 - Very Persistent and very Bio-accumulative (vPvB)

¹ REACH (Registration, Evaluation, Authorisation and Restriction of Chemical substances) REACH is a European Community Regulation on chemicals and their safe use (EC 1907/2006).

- Identified as causing probable serious effects to human health or the environment.
- The substance is in other ways/by other means identified as high-risk substance with regard to effects to human health and/or the environment.

Table 1 – CMR substances

Property	Hazard statement GHS/CLP category 1A and 1B
Carcinogenic (C)	H350
Mutagenic (M)	H340
Reproduction Toxic (R)	H360

4 Requirements

Chemical products containing chemical substances covered by this standard should not be used. An active substitution work shall be done and the substance shall be kept under surveillance to find less hazardous alternatives to be introduced as soon as technically and economically possible.

All substances covered by the stated criteria and/or listed in accompanied STD4160 must be communicated to Scania according to the demands on the Supplier portal <https://supplier.scania.com> or within Scania according to local methods.

The standard CVS55 "Prohibited and Restricted substances in products" and reporting into IMDS according to STD4352 "Reporting of substances and material composition of product-related parts to IMDS" also applies for chemical products that remain in the final product such as dyes, glue, oil, coolants.

The list of substances in STD4160 will be revised at least annually by Scania Group Environment.

5 List of substances

See Scania Standard [STD4160](#).

6 Referenced documents

6.1 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Document designation	Title
STD3868	Scania Customer Requirements
STD4158	Prohibited Substances - Chemical Substances which must not be used in Chemical Products within Scania - General
STD4160	List of Prohibited and Restricted substances in chemical products
STD4230	Environmental and Quality Assurance Demands- Supplement to General Purchasing Contracts
STD4352	Reporting of Substances and Material Composition of Product-Related Parts to IMDS
CVS55	Prohibited and Restricted substances in products

Annex A(informative) Change history

Revision	Release Date	Changes from previous revision
42	2024-07-10	Clarification that the restriction refers to all use of the chemical substances ≥ 0.1 % (weight).
41	2024-03-08	Clarifications in all chapters. Reference to STD4384 has been removed. Reference to STD4400 has been updated with CVS55. New template.
40	2021-07-12	Clarification added in chapter 3 Criteria regarding CMR classification in Table 1.
39	2021-05-19	Change of the title of the standard. Updated Table 1 CMR substances (remove column with Risk phrases) Updated list of referenced documents.
38	2018-12-04	The standard has been re-structured: <ul style="list-style-type: none"> General requirements are stated in this STD4159 List of substances has been moved to the new Scania Standard STD4160. The Swedish text has been removed.
37	2018-09-03	Some small mistakes have been corrected.
36	2018-02-22	New substances have been added to REACH Candidate list. CAS number has been corrected from 584 62 9 till 548 62 9. New hazard has been added for substances with CAS no. 80-05-7. List with footnotes has been updated.
35	2017-06-25	GHS added to Table 1 in chapter 4 Criteria. HCFC compounds R404A and R507 and Perfluorohexane-1-sulphonic acid and its salts (PFHxS) has been added. New Annex "Change history"
34	2017-03-14	CAS-number for 4,4'-isopropylidenediphenol (bisphenol A; BPA) has been corrected.
33	2017-02-21	Small text adjustment in chapter 4 Criteria. Properties for substance "Triphenylphosphate" have been updated (page 28). Substances 4,4'-isopropylidenediphenol (bisphenol A; BPA), Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts p-(1,1-dimethylpropyl)phenol and 4-heptylphenol on the REACH Candidate List has been updated.
32	2016-07-11	Substance Benzo[def]chrysene, (Benzo[a]pyrene) on the REACH Candidate List has been updated.
31	2016-01-29	Editorial changes and changes in chapter 4 (table 1) and 5. Substances Nitrobenzene, 1,3-propanesultone, 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327), 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) and Perfluorononan-1-oic-acid and its sodium and ammonium salts on the REACH Candidate List has been updated.