



### STANDARD

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2018-12-04	38	Public	1(6)

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## Chemical substances with limited use - Scania Grey list – General

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### Changes from previous issue

The standard has been re-structured:

- 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.

Changes are shaded.



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## 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:

- STD4384 Criteria for limitation and reporting of chemical substances, (for Scania internal distribution only)
- STD4158 Chemical substances which must not be used (Scania Black list) – General
- STD4160 List of chemical substances which must not be used – Scania Black list and of chemical substances with limited use – Scania Grey list
- STD4400en Prohibited and restricted substances in Scania's products..

## 1 Scope

According to a decision by Scania, restrictions have been introduced with respect to the use of certain chemical substances. The accompanied Scania standard STD4160 lists restricted chemical substances that 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 and definitions

**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 if the substance is explicitly listed in 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 forbidden by law at a known date.



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- The substance is classified as a Substance of Very High Concern (SVHC) according to REACH<sup>1</sup> ) Article 57.
- SVHC includes substances which are:
  - o Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) according to Table 1 below
  - o Persistent, Bio-accumulative and Toxic (PBT)
  - o Very Persistent and very Bio-accumulative (vPvB) .
  - o Identified as causing probable serious effects to human health or the environment.
  - o 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	Risk phrase EU category 1 and 2	Hazard statement GHS/CLP category 1A and 1B
Carcinogenic (C)	R45, R49	H350
Mutagenic (M)	R46	H340
Reproduction Toxic (R)	R60, R61	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 Scania's Grey List in 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 STD4400 "Prohibited and Restricted substances in Scania's 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

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



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The list of substances in Scania's Grey List in STD4160 will be revised at least annually by Scania Environmental Support.

## 5 List of substances

See Scania Standard [STD4160](#).



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## 6 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.

Document designation	Issue	Title
STD3868	–	Scania Customers specific requirements
STD3871	–	Material marking on parts - Recycling Materialmärkning på artiklar - Återvinning
STD3901	–	Quality requirements for suppliers of truck bodies and trailers
STD4158	–	Chemical substances which shall not be used - Scania Black list – General
STD4160		List of chemical substances with limited use –Scania Grey list – and which must not be used – Scania Black list
STD4230	–	Environmental and Quality Assurance Demands- Supplement to General Purchasing Contracts
STD4248	–	Environmental and quality assurance demands - Supplement to purchase orders and contracts for deliveries to the Buses and Coaches group
STD4321	–	Requirements for suppliers of truck bodies and trailers when stated by Scania
STD4352		Reporting of substances and material composition of product-related parts to IMDS
STD4384	–	Criteria for limitation and reporting of chemical substances (for Scania internal distribution only, endast för Scania-intern spridning)
STD4400	–	Prohibited and restricted substances in Scania's products
SS EN 1811+A1:2008	–	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
SS EN 12472:2005	–	Method for the Simulation of Wear and Corrosion of Coated Items



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## Annex A(informative) Change history

STD issue	Changes from previous issue	ECO
38	The standard has been re-structured: <ul style="list-style-type: none"> <li>• General requirements are stated in this STD4159</li> <li>• List of substances has been moved to the new Scania Standard STD4160.</li> </ul> The Swedish text has been removed.	N/A
37	Some small mistakes have been corrected.	N/A
36	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.	N/A
35	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"	N/A
34	CAS-number for 4,4'-isopropylidenediphenol (bisphenol A; BPA) has been corrected.	N/A
33	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.	N/A
32	Substance Benzo[def]chrysene, (Benzo[a]pyrene) on the REACH Candidate List has been updated.	N/A
31	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.	N/A