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Application and significance

Products supplied to STIHL Group companies that reach the end customer must not contain certain substances or must contain them only within strictly defined limits. These requirements, as compiled in the present Works Standard, are intended to make it easier for STIHL to comply with existing and future legal obligations (e.g. laws and regulations prohibiting particular substances).

STIHL will keep its suppliers updated on any changes to this Works Standard. However, updates to the lists specified in sections 2.1 and 2.2 are not considered to be changes to SWN 39003. Suppliers themselves are therefore responsible for keeping up to date with any changes to these lists. The respective currently valid version is applicable.

1 Area of validity

This Work Standard applies to all products supplied to STIHL Group companies that reach the end customer. Products within the scope of this SWN are raw materials, process materials, semi-finished products, components, merchandise and all goods of the STIHL product range.

Laws and regulations prohibiting particular substances or restrictions affecting particular products are applicable even if not expressly mentioned here (e.g. Directive 2009/48/EG on the safety of toys, textile Directives, etc.).

2 Prohibited and restricted substances according to SWN 39003

2.1 REACH candidate list

Substances included in the candidate list specified in Regulation (EC) No 1907/2006 may not be contained in products except in quantities less than 0.1 weight percent. This limit value must apply to the homogeneous material.

The REACH candidate list is regularly updated by the European Chemicals Agency (ECHA). The current version is attached to this SWN as Annex 1.

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2.2 GADSL

The GADSL (*Global Automotive Declarable Substance List*) includes a compilation of substances subject to legal prohibitions. These are marked with a „P“ or “D/P”. They are not only relevant for the automotive sector but as well for STIHL.

Substances included in the GADSL and marked with a „P“ or “D/P”, if included in products, must comply with the limit values specified in the GADSL.

The GADSL is regularly updated. The current version is attached to this SWN as Annex 2.

2.3 Other prohibited and restricted substances

In addition, compliance with the list of prohibited and restricted substances in Annex 1 is required.

2.4 Exemptions

STIHL may grant exemptions for products or product groups defined in clause 1.

Should the supplier intend to make use of existing statutory exemptions for polyaromatic hydrocarbons (PAHs) or of exemptions according to Directive 2011/65/EU (RoHS), it is mandatory to notify this to the competent STIHL contact. The respective goods may only be delivered after express approval.

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Annex 1: List of prohibited substances

Designation of substance	CAS Number	Limit value	Referring to	Comments
Antimony trioxide	1309-64-4	0.1 weight perc.	Homogeneous material	
Azo dyes with carcinogenic amine components		10 ppm	Homogeneous material	
Lead and its compounds		0.1 weight perc.	Homogeneous material	Directive 2011/65/EU (RoHS)
Boron and its compounds ¹		3.0 weight perc.	Homogeneous material	
Cadmium and its compounds		0.01 weight perc.	Homogeneous material	Directive 2011/65/EU (RoHS)
Chlorinated hydrocarbons ¹		0.1 weight perc.	Homogeneous material	
Chromium (VI) compound (hexavalent chromium)		0.1 weight perc. (defined as weight perc. of Cr)	Homogeneous material	Directive 2011/65/EU (RoHS)
Dimethyl fumarate (DMF)	624-49-7	0.1 ppm	Homogeneous material	Decision 2009/251/EG
Nitrite-releasing substances ¹		20 ppm	Homogeneous material I	
Organic tin compounds		10 ppm	Homogeneous material	
Phthalates, all versions		0.1 weight perc.	Homogeneous material	

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Prohibited and restricted substances

in raw materials, process materials, semi-finished products, components and merchandise

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Designation of substance		CAS Number	Limit value	Referring to	Comments
Polyaromatic hydrocarbons (PAHs) ¹	Acenaphthene	83-32-9	For these substances, there is no individual limit value in addition to the total limit value for 18 PAHs of 10 mg/kg.	Homogeneous material	Deviating limit values may apply for substances with short-term dermal contact. Please ask your STIHL contact for details.
	Acenaphthylene	208-96-8			
	Anthracene	120-12-7			
	Fluoranthene	206-44-0			
	Fluorene	86-73-7			
	Phenanthrene	85-01-8			
	Pyrene	129-00-0			
	Benz(a)anthracene	56-55-3	0.5 mg/kg		
	Benzo(j)fluoranthene	205-99-2	0.5 mg/kg		
	Benzo(j)fluoranthene	205-82-3	0.5 mg/kg		
	Benzo(k)fluoranthene	207-08-9	0.5 mg/kg		
	Benzo(ghi)-perylene	191-24-2	0.5 mg/kg		
	Benzo(a)pyrene	50-32-8	0.5 mg/kg		
	Benzo(e)pyrene	192-97-2	0.5 mg/kg		
	Chrysene	218-01-9	0.5 mg/kg		
	Dibenz(a,h)-anthracene	53-70-3	0.5 mg/kg		
	Indeno(1,2,3-cd)pyrene	193-39-5	0.5 mg/kg		
	Naphthalene	91-20-3	2 mg/kg		
Total 18-PAHs			10 mg/kg		
Polybrominated diphenyl ether (PBDE)			0.1 weight perc.	Homogeneous material	Directive 2011/65/EU (RoHS)
Polybrominated biphenyls (PBB)			0.1 weight perc.	Homogeneous material	Directive 2011/65/EU (RoHS)
Mercury and its compounds			0.1 weight perc.	Homogeneous material	Directive 2011/65/EU (RoHS)

¹ Only applies to process materials. In the case of boron compounds in the REACH candidate list, the applicable limit value is 0.1 weight percent.

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SWN 39003-01

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ⁱ Source: Product Safety Committee (AfPS)

GS certified safety specification – Review and evaluation of polycyclic aromatic hydrocarbons (PAHs) in case of granting the „GS“ mark

Specification according to § 21 sec. 1 no. 3 Product Safety Act - Update: 4 August 2014 - AfPS GS 2014:01 PAHs

http://www.baua.de/de/Produktsicherheit/Marktueberwachung/pdf/AfPS-GS-2014-01-PAK.pdf?__blob=publicationFile&v=4

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