

Annex 1

Annex 1.1

Proposals from stakeholders for new substance restrictions

Substance	Classifications	Concentration limit	Comments
C.I. Disperse Blue 1	R45, R41, R43 (H350, EUH070, H317)		Currently included within at least one industry RSL. Excluded by the Blue Angel.
C.I. Disperse Yellow 3			Currently included within at least one industry RSL
C.I. Disperse Yellow 23		50 mg/kg	Currently included within at least one industry RSL as a 'Dyestuff classified to be carcinogenic'. Excluded by the Blue Angel.
C.I. Disperse Orange 59		50 mg/kg	Currently included within at least one industry RSL as a 'Dyestuff classified to be allergenic'.
C.I. Disperse Orange 149		50 mg/kg	Currently included within at least one industry RSL as a 'Dyestuff classified to be carcinogenic'. Excluded by the Blue Angel.
4,4'-Methylene-bis-(2-chloroaniline)	R40 (H350) R50/53 (H400/410)		Currently included within at least one industry RSL
Tri-o-cresyl phosphate			A flame retardant. It is currently included within at least one industry RSL.
Phthalates: DNOP, DINP, DIDP, DIHP, DHNUP, DNHP		Sum <0.1%.	Whilst not illegal for textiles (they are for medical devices and toys) the manufacturer does not wish to respond to consumer requests that the product contains phthalates.
Tributyl compounds		0.025 mg/kg	The sum for pesticides in an industry RSL is less than 1.0 mg/kg

Per and polyfluorinated Compounds		PFOA 0.25 mg/kg	Proposed only permitting PFC's with short chains (C6 or less) which are non-bioaccumulative
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Possible SVHC derogations identified by stakeholders

Substance	Classification	Presence in final product (w/w %)	Comments
N,N-Dimethylacetamide (DMAC)	R61 (H360D)	Fibre 3.0% Finished product 0.1 – 1.0%	DMAC is one of the solvent options for wet spinning of acylic, elastane and aramid fibres. It was used in 24% of production in 1987, however stakeholders suggest that in the EU it still predominates.

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Possible risk phrase derogations proposed by stakeholders

Substance	Classification	Concentration limit	Comments
Formulations	R29, R31, R32		Substances that release toxic gas upon contact with acids cannot be used in wet processing. These risk phrases are not included within the Blue Angel.
Enzymes	R42		Enzymes which are commonly used for scouring and washing are classified with this risk phrase and provide environmental benefits (as highlighted by the textile BREF).

Dyestuffs	R42, R43 (H334, H317)		Many of the commonly used dyes are classified as allergenic in their dust form. It is possible to use anti dust formulations. The use of dyes during production is a professional use, where workers should be trained, educated and informed about hazards and must take appropriate precautions, such as PPE. These risk phrases are not included within the Blue Angel.
	R52/53, R53 (H412, H413)		Derogation approved by the Blue Angel because it would affect many commonly used dyes.

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Possible substance derogations proposed by stakeholders

Substances	R Phrase/H Statement	Presence in final product (w/w %)	Justification
Antimony trioxide	R40 (H315)	0.026% (polyester fibre before wet processes)	Antimony trioxide is still the predominate catalyst used by EU industry. Alternatives to do not meet fitness for use criteria for colour fastness to light. <i>It is also used as a synergist in the application of halogenated flame retardants.</i>
Wool dye carriers	R51/53, R41	1.0%	They are used to mask reactive spots on the fibre and is important for shrink proof wool. Reactive dyes are required to achieve fast dyeing that complies with the ecolabel criteria.
Sodium hydrosulphite	R31/32 (EUH031)	<i>Not known</i>	A water soluble salt which is used as a reducing agent to disperse dyes onto a substrate.

Sodium sulphide	R24, R50 (H311, H400)	<i>Not known</i>	A water soluble salt which is used as a reducing agent to disperse dyes onto a substrate.
Ethoxylates	R50 (H400)	<i>Not known</i>	Derogation approved by the Blue Angel when it is used to substitute alkylphenol ethoxylates.
Sodium salt of hydroxymethanesulphinic acid	R68 (H371)	<i>Not known</i>	Derogation approved by the Blue Angel as a reducing agent for direct printing with Vat dyes and for white and coloured discharge printing.
Octamethylcyclotetrasiloxanes	R62	<i>Not known</i>	Derogation approved by the Blue Angel as residues in silicone softeners.
Ammonia	R23, R50 (H331, H400)	<i>Not known</i>	Derogation approved by the Blue Angel for when used in pigment printing and coating, provided that low air emissions are achieved (according to a stipulated formulae)