ZIP GFD SPA - Greenpeace Detox Commitment

September 2015

In line with ZIP GFD spa's long-term sustainability program ZIP GFD SPA recognizes the urgent need for eliminating industrial releases of all hazardous chemicals (1). According to its approach based on prevention (2) and the Precautionary Principle (3) ZIP GFD SPA is committed to zero discharges (4) of all hazardous chemicals from the whole lifecycle and all production procedures that are associated with the making and using of all products ZIP GFD SPA produces and / or sells (5) by no later than 01 January 2020.

We recognize that to achieve this goal, mechanisms for disclosure and transparency about the hazardous chemicals used in our global supply chains are important and necessary, in line with the 'Right to Know principle' (6). In line with this principle we will deliver full public availability and transparency of our restricted substance list and audit process and will set up full public disclosure of discharges of hazardous chemicals in our supply chain.

ZIP GFD SPA also commits to fully and publicly support systemic (i.e. wider societal and policy) change to achieve zero discharge of hazardous chemicals (associated with supply chains and the lifecycles of products) within one generation (7) or less. This commitment includes sustained investment in moving industry, government, science and technology to deliver on systemic change and to affect system change across the industry towards this goal.

ZIP GFD SPA agrees to publicly support Greenpeace's efforts to eliminate all global hazardous chemical use, and to fully integrate the precautionary principle and the public's right-to-know regarding all environmental aspects across our operations.

ZIP GFD SPA acknowledges our individual corporate responsibility to always operate with a strong system of environmental oversight of our suppliers and our operations.

ZIP GFD SPA's following Detox commitment, as well as an individual action plan - with the dates indicate, and the links to the complete detailed evidence supporting the delivery for all aspects of this commitment no later than the delivery schedule dates indicated within this commitment - will always be available to the global public via our main public webpage.

ZIP GFD SPA understands the scope of the commitment to be a long term vision – with ongoing ambitious practices to be defined by the following individual action plan:

Individual action plan

1. Supply-chain disclosure

In line with ZIP GFD SPA's commitment to the public's 'right to know' the chemical substances used within its global supply-chain and the products it sells, ZIP GFD SPA will be taking the following actions:

1.publish its updated Combined 'Restricted Substances List' (the same in detailed content and scope as per <u>combined M RLS</u> including detection limits(4) on the same date as the publication of this commitment document, and annually thereafter update this combined M-RSL to reflect our full implementation of the precautionary principle and always applying the best current technology – i.e. the lowest reporting limits technology can achieve.

2. adapt our supplier contract requirements to ensure that our suppliers begin full detailed public disclosure of discharges of hazardous chemicals (beginning with, at least, the 11 priority chemical groups as per endnote 8) and detection limits (as per <u>combined M-RSL</u> and always applying the best current technology as per endnote 4) in our

supply chain via full facility transparency (i.e. detailed location and individual data of each facility) of individual facility level disclosure of chemical-by-chemical use and discharges data, to be achieved via an incremental process, beginning with the following actions:

- With the publication of this commitment, we will also commit to have full testing evidence published by at least 50 % of all our global wet process supplier's facilities or affiliates where hazardous chemicals are used, and their discharge data disclosed (as per full scope and content of <u>combined M-RSL</u>) by using an online platform via the Institute for Public and Environmental Affairs – Detox – platform* and the data collection template (<u>IPE Detox Platform</u>).
- ii) by no later than 6 months after the publication of this commitment, we will also commit to have the full testing evidence published of at least 80 % of our global wet process facilities or affiliates where hazardous chemicals are used (- in addition to the facilities in i), prioritizing additional suppliers in the "global south") and their discharge data disclosed (as per full scope and content of <u>combined M-RSL</u>) by using the IPE Detox platform and the data collection template agreed with Greenpeace.
- *iii)* By no later then 31 December 2015, 80% of our wet process facilities or affiliates where hazardous chemicals are used (as per i) and ii) above), will be publicly associated to our company *or, we will ensure that we supply full public evidence that at least 80 % of all of our global wet process suppliers are fully disclosing or are Detox committed companies.*
- iv) ZIP GFD SPA will publicize the link to all data as per above timelines via the IPE Detox platform as per the most recent Corporate Discharge Disclosure Data Form.
- v) ZIP GFD SPA agrees to always ensure the discharge data disclosure is fully credible and not misleading the public and that it will always disclose via the IPE Detox platform.

2. 11 priority hazardous chemical groups elimination policy

Fully aligned with our implementation of the precautionary principle across all of our operations environment-related operations, we recognise the intrinsic, or potential intrinsic hazardousness of all 11 priority hazardous chemical groups (8), and therefore acknowledge it is our priority to eliminate their use across our global supply chain and our operations. There are multiple supply-chain pathways for potential contamination (including chemical formulations) and we will enhance both training and auditing of our supply-chain and our operations, as well as ensure our suppliers have the latest information on the 11 priority hazardous chemical groups , highlighting where there is a risk that any of these chemicals may enter into the undocumented contamination of chemical supplier formulations.

In addition to these actions, ZIP GFD SPA will enforce its ban on the 8 of the 11 priority hazardous chemical groups (Phthalates, Brominated and chlorinated flame retardants, Azo dyes, Organotin compounds, Chlorobenzenes, Chlorinated solvents, Chlorophenols, and Short chain chlorinated paraffins) with the following actions:

- i. publish the results of an investigation into the current compliance to this requirement, reporting the findings to the public and simultaneously strengthening our supplier contract language to ensure only chemical formulations free of at least these 8 priority hazardous chemical groups are utilized and also publish the full testing evidence supporting our delivery of this commitment of full elimination of any use of at least these 8 priority hazardous chemical groups
- ii. work with our supply chain and other global industry leaders, to ensure the most current technological limits of detection are reflected via the lowest detectable limits within our testing regimes.

iii. publicly document how at least each of these 8 prioirity hazardous chemical groups have been substituted by safer alternatives and publish these case studies via the online Subsport.org platform within 6 months of the publication of this commitment.

3. PFCs - Perfluorocarbon / Polyfluorinated Compounds(9) elimination policy

Consistent with the precautionary principle and the potential intrinsic hazardousness of all PFCs, ZIP GFD SPA commits to eliminate any PFCs used in any of the products ZIP GFD SPA produces and/or sells. The elimination of all PFCs used by any of the products we produce or sell will be supported by:

- i. Across our global supply-chain, eliminate all PFC use by no later than 01 July 2016;
- ii. document how PFCs have been substituted by safer alternatives and publish these case studies via the online Subsport.org platform by no later than 01 July 2016;
- iii. a rigorous system of control to ensure that no traces of PFCs find their way into our supply chain in line with the above;
- iv. work in partnership with our supply chain and other global industry leaders to accelerate the move to non-PFC technologies.

4. APEOs elimination policy

Consistent with our full implementation of the precautionary principle across all our operations related to any affect on the environment, and the potential intrinsic hazardousness of all APEOs, ZIP GFD SPA therefore acknowledges it is a priority to eliminate any APEOs use across our global supply chain and our operations. There are multiple supplychain pathways for potential APEOs contamination (including chemical formulations) and will enhance both training and auditing of our supply-chain and our operations, as well as ensure all of our suppliers have the latest information on APEOs, highlighting where there is a risk that APEOs may enter into the undocumented contamination of chemical supplier formulations.

In addition to these actions, ZIP GFD SPA will enforce its APEOs ban on any products we produce and/or sell with the following actions:

- i. Initiate an investigation into the current compliance to this requirement, reporting the findings to the public by the end of 1 July 2015;
- ii. Strengthening our supplier contract language to ensure only APEOs-free chemical formulations are utilized by the end of 1 July 2015; and
- iii. Work with our supply chain and other global industry leaders, to ensure the most current technological limits of detection are reflected via the lowest detectable limits within our testing regimes.
- iv. Publicly document how APEOs have been substituted by safer alternatives and publish these case studies via the online Subsport.org platform by no later than 01 July 2015.

5. Targets for Other Hazardous Chemicals

As an important part of our implementation of the precautionary principle across all our operations, ZIP GFD SPA commits to regularly review the list of chemicals used in our operations and our global supply-chain. ZIP GFD SPA apply the latest scientific findings to periodically update our chemical policy, at least annually, to further restrict or ban chemicals, as new evidence on their impact becomes available.

In this context we will also set clear intermediate progress targets on the elimination of hazardous chemicals (beyond these 11 priority hazardous chemical groups). We will therefore provide a public detailed hazardous chemical-by-chemical schedule (aligned with our full implementation of the precautionary principle across any of our operations affecting the environment) for elimination (beyond the 11 priority hazardous chemical groups identified within this document) to be substituted with non-hazardous chemistry by no later than 01 September 2015 on the road to elimination of all hazardous chemical use by no later than 01 January 2020. This public detailed hazardous chemical-by-chemical schedule will be updated annually.

ZIP GFD SPA commits to support and reinforce a credible sectorial chemical inventory and hazardous substance green list, aiming to establish this inventory, and the green list, based on a credible (10) intrinsically hazardous screening methodology, by no later than 01 July 2015.

The individual actions covered above will be reassessed by ZIP GFD SPA at regular intervals – at least annually.

6. Self reporting on the Detox Commitment

The core responsibility principles for delivering on our commitment:

1. ZIP GFD SPA is responsible for our global operations, all inputs we use and practices we employ and the environmental outcomes created.

2. ZIP GFD SPA must always proactively provide the public precise schedules for all our detailed and credible evidence (e.g. all hazardous chemical testing via the use of the <u>combined M-RSL</u> supporting the delivery of all aspects of our Detox commitment.

3. ZIP GFD SPA is responsible to provide proactively, publicly and transparently full details as to any deviations from the delivery of any aspect of our Detox commitment, and to resolve effectively within no more than 30 days.

Within 6 months of this agreement, ZIP GFD SPA will publish:

- Case studies of past hazardous chemical substitutions, and the steps we will take to develop a further number of substitution case studies (e.g. where we are currently substituting any of the 11 groups of hazardous chemicals as per below (8), with more non-hazardous chemicals) via the online Subsport.org platform.
- The steps outlining how we will take forward and lead on the development of the intrinsic hazards screening methodology (10).

(1) All hazardous chemicals means all those that show intrinsically hazardous properties: persistent, bioaccumulative and toxic (PBT); very persistent and very bioaccumulative (vPvB); carcinogenic, mutagenic and toxic for reproduction (CMR); endocrine disruptors (ED), or other properties of equivalent concern, (not just those that have been regulated or restricted in other regions). This will require establishing – ideally with other industry actors – a corresponding list of the hazardous chemicals concerned that will be regularly reviewed.

(2) This means solutions are focused on elimination of use at source, not on end-of-pipe or risk management. This requires either substitution with non-hazardous chemicals or where necessary finding non- chemical alternative solutions, such as re-evaluating product design or the functional need for chemicals.

(3) This means taking preventive action before waiting for conclusive scientific proof regarding cause and effect between the substance (or activity) and the damage. It is based on the assumption that some hazardous substances cannot be rendered harmless by the receiving environment (i.e. there are no 'environmentally acceptable'/ 'safe' use or discharge levels) and that prevention of potentially serious or irreversible damage is required, even in the absence of full scientific certainty. The process of applying the Precautionary Principle must involve an examination of the full range of alternatives, including, where necessary, substitution through the development of sustainable alternatives where they do not already exist.

(4) Zero discharge means elimination of all releases, via all pathways of release, i.e. discharges, emissions and losses, from our supply chain and our products. "Elimination" or "zero" means 'not detectable, to the limits of the best current technology', and only naturally occurring background levels are acceptable.

(5) This means the commitment applies to the environmental practices of the entire company (group, and all entities it directs or licences) and for all products produced or sold by ZIP GFD SPA or any of its subsidiaries. This includes all its suppliers or facilities horizontally across all owned brands and licensed companies as well as vertically down its supply chain.

(6) Right to Know is defined as practices that allow members of the public access to environmental information – in this case specifically about the uses and discharges of chemicals based on reported quantities of releases of hazardous chemicals to the environment, chemical-by-chemical, facility-by-facility, at least year-by-year.

(7) One generation is generally regarded as 20-25 years.

(8) the 11 priority hazardous chemical groups are : 1. Alkylphenols 2. Phthalates 3.Brominated and chlorinated flame retardants 4. Azo dyes 5. Organotin compounds 6. Perfluorinated chemicals 7. Chlorobenzenes 8. Chlorinated solvents 9. Chlorophenols 10. Short chain chlorinated paraffins 11. Heavy metals such as cadmium, lead, mercury and chromium (VI).

(9) Polyfluorinated compounds, including fluorotelomers which can serve as precursors that degrade to form perfluorinated carboxylic acids (e.g. PFOA), and mixed halogenated polyfluorinated compounds.

(10) Any screening methodology that would meet the following necessary requirements is considered to be credible:

1. The full criteria and methods applied and full data behind results must be open to public scrutiny

2. The screening methodology approach must take account of the hazards of accessory chemical and/ or breakdown <u>products</u>) which are generated through the use or release_of any one particular chemical ingredient.

3. The screening methodology must recognize the importance of physical form <u>e.g. nanomaterials, polymers</u> and whole products where applicable.

4. Where there are legitimate reasons for concern regarding the intrinsic hazards of a chemical, even if information is insufficient to verify those hazards, action must be taken to obtain sufficient information to enable adequate assessment of the chemical. When there is no information on the chemical the `hazardous until proven non-hazardous' assumption should apply.

The following reflects ZIP GFD spa's RSL detection limits as of 01 September 2015 These detection/reporting limits and test methods will be revised - at least yearly, to always reflect best current technology using lowest detection/reporting limits.

		Detectio	n Limit					
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned / phase-out
1. Alkylphenols	(APEO)						
Octylphenol OP	Various	1	0.2					
4-(1,1,3,3-	140-66-9	1	0.2					
OctylPhenol	27193-	1	0.2					
4-Octylphenol	1806-26-	1	0.2					
Nonylphenol NP	various	1	0.2					
4-Nonylphenol	25154-	1	0.2	With Reference	With Reference			
Nonylphenol	104-40-5	1	0.2	To DIN EN ISO 18857 And	To DIN EN ISO			
Nonylphenol	90481-	1	0.2		18857 And	Solvent	Solvent	All use of
4-Nonylphenol (branched)	84852-	1	0.2	Followed by	Followed by	extraction	Extraction,	Alkyphenols
Nonylphenol	1173019-	1	0.2	Liquid Chromatography	Liquid Chromatography	DIN EN ISO 18857	GC-MS	(APEO) are
Nonylphenol Ethoxylates	various	1	0.2	– Mass – Mass	LC/MS	(AP) &	banned as	
Nonylphenol Ethoxylates	various	1	0.2	Spectrometry	Spectrometry	mod, resp.	LC-MS	of 01
(Nonylphenoxy)-	9016-45-	1	0.2	(LC-MS) Analysis. NPEO(1+2): GC/MS	(LC-MS)	NPEO(1+2):	(APEO) analysis.	September 2015)
4-Nonylphenol,	26027-	1	0.2		Analysis.	GC/MS	anarysis.	2013)
(NPEs 3-18) Poly(oxy-	68412-	1	0.2		NPEO(1+2):			
4-Nonylphenol, branched,	127087-	1	0.2		GC/MS			
Unbekanntes Farbmittel	37205-	1	0.2					
Octylphenol Ethoxylates	various	1	0.2					
Octylphenol Ethoxylates	various	1	0.2					
(OPEs 3-18) alpha-[4-	9002-93-	1	0.2					
4-tert-	9036-19-	1	0.2					
4-tert-	68987-	1	0.2					
2. Phthalates								
Di-Butyl Phthalate (DBP)	84-74-2	1	0.3	Toluene			CEN ICO	
Di(2-Ethyl Hexyl)	117-81-7	1	0.3	Extraction And			CEN-ISO- TS 16181:	
Benzyl Butyl Phthalate	85-68-7	1	0.3	Followed by Gas		Extraction	TS 16181;	
Di-Iso-Nonyl Phthalate (DINP)	28553- 12-0,	1	0.3	Chromatography- Mass Spectrometry	Toluene Extraction And	with toluene, GC-MS	EN 15777; EN 14372;	All use of
Di-N-Octyl Phthalate	117-84-0	1	0.3	(GC-MS) Analysis	Followed by Gas Chromatography-	resp.	Solvent	Phthalates are banned
Di-Iso-Decyl Phthalate (DIDP)	26761- 40-0,	1	0.3	resp. LC/MS. Extraction with toluene at pH6,	Mass Spectrometry	LC/MS.	Extraction & GC-MS analysis.	are banned as of 01 September
Di-Iso-Butyl Phthalate	84-69-5	1	0.3		(GC-MS) Analysis		anary 515.	2014
Di-N-Hexyl Phthalate	84-75-3	1	0.3	GC/MS*	resp. LC/MS.			
Di-(2-metossietil) ftalato	117-82-8	Best current	Best	1			UNI EN	
DHNUP	68515-	testing	current				15777	
DIHP	71888-	technology	testing					
DPP	131-18-0	using lowest	technology					

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		Dete	ction Limit		Test	Method		
Substance	CAS-nr.	Input: Chemical Formulatio ns / Output: Waste water (µg/I)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
3. Brominated a	nd Chlorina	ted Fla	me Retard	ants				
Polybrominated biphenyls (PBBs)	59536-65-1 various							
Monobromo biphenyls		0.05	0.03					
(MonoBB) Dibromo biphenyls (DiBB)	-	0.05	0.03					
Tribromo biphenyls (TriBB)	-	0.05	0.03					
Tetrabromo biphenyls (TetraBB)	-	0.05	0.03					
Pentabromo biphenyls (PentaBB)	-	0.05	0.03					
Hexabromo biphenyls (HexaBB)	-	0.05	0.03					
Heptabromo biphenyls (HeptaBB)	-	0.05	0.03					
Octabromo biphenyls (OctaBB)	-	0.05	0.03					
Nonabromo biphenyls (NonaBB)	_	0.05	0.03					
Decabromo biphenyl (DecaBB)	- 13654-09-6	0.05	0.03					
Polybrominated diphenyl ethers (PBDEs)	various	0.05	0.03	By Toluene Extraction And	By Toluene Extraction And			
Monobromo diphenyl ethers		0.05	0.03	Followed By Liquid	Followed By Liquid			All use of Bromianted
(MonoBDE) Dibromo diphenyl ethers (DiBDE)	-	0.05	0.03	Chromatograp hy - Mass	Chromatograp hy - Mass		Solvent	and Chlorinated
Tribromo diphenyl ethers		0.05	0.03	Spectrometry (LC-MS) And	Spectrometry (LC-MS) And	Extraction with toluene, GC-MS	Extraction & GC-CE	Flame Retardants
(TriBDE) Tetrabromo diphenyl ethers	-	0.05	0.03	Gas Chromatograp	Gas Chromatograp	resp. LC/MS.	analysis.	are banned as of 01
(TetraBDE) Pentabromo diphenyl ethers (PentaBDE)	40088-47-9 32534-81-9	0.05	0.03	hy - Mass Spectrometry	hy - Mass Spectrometry			September 2014
Hexabromo diphenyl ethers (HexaBDE)	36483-60-0	0.05	0.03	(GC-MS) Analysis	(GC-MS) Analysis.			
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	0.05	0.03					
Octabromo diphenyl ethers (OctaBDE)	32536-52-0	0.05	0.03					
Nonabromo diphenyl ethers (NonaBDE)	63936-56-1	0.05	0.03					
Decabromo diphenyl ether (DecaBDE)	1163-19-5	0.05	0.03					
Tris(2,3-Dibromopropyl)- Phosphate	126-72-7	0.5	0.25					
Tris(2-	120-72-7							
Chloroethyl)Phosphate (TCEP)	115-96-8	0.05	0.25					
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194- 55-6	0.5	0.25					
Tetrabromo-bisphenol A (TBBPA)	79-94-7	0.5	0.25					
Subgroup: Other Fl		ts						
TEPA TRIS	5455-55-1 5412-25-9	Best						
	1303-96-4 1303-	current testing						
Sodium tetraborate	43-4 12179-04-3 215-540-4	technolo	Best current					All
Boron trioxide	1303-86-2	gy using lowest	testing					All use of Subgroup:
	10043-35-3	detection	technology using				Solvent extraction and	Other Flame
Boric acid	11113-50-1	/	lowest detection /				GC-MS / LC-	Retardants banned a of
Antimony trioxide Tri-o-cresyl phosphate	1309-64-4 78-30-8	reporting	reporting limits always updated				MS analysis	01 Septmeber
		limits always updated	and applied					2014
Tris(1,3-dichloro-2- propyl)phosphate (TDCPP)	13674-87-8	and applied						

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		Doto	Detection Limit Test Method					-
		Input:			Test M			
Substance	CAS-nr.	Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
4. Amines (Ass	ociated v	with Azo	dyes)					
4-Aminodiphenyl	92-67-1							
Benzidine	92-87-5]						
4-Chloro-o-Toluidine	95-69-2]						
2-Naphthylamine	91-59-8							
o-Aminoazotoluene	97-56-3							
2-Amino-4-Nitrotoluene	99-55-8							
p-Chloroaniline	106-47-8							
2,4-Diaminoanisole	615-05-4	-		With Reference	With Reference			
4,4'Diaminodiphenylmethan 3,3'-Dichlorobenzidine	e 101-77-9 91-94-1	1		To EN	To EN 14362:1&3 And		EN 14362-	All use of
3,3'-Dimethoxybenzidine	119-90-4			14362:1&3 And	Followed By Gas		1:2012; ISO	Amines
3,3'-Dimethylbenzidine	119-93-7	1		Followed By Gas Chromatographic	Chromatographic	EN 14362	17234-1:2010;	(associated
3,3'-Dimethyl-		0.01	0.01	– Mass	– Mass	modified	ISO 17234-	with Azo
4,4'diaminodiphenylmethan	e 838-88-0	0.01	0.01	Spectrometric	Spectrometric (GC-MS) And	GC/MS resp.	2:2011; Leather.GB/T	dyes) banned as of
p-Cresidine	120-71-8	4		(GC-MS) And	High	HPLC.	17592 ; GB/T	01
4,4'-Methylene-Bis(2-	101 11 1			High Performance	Performance		23344 (4-	September
Chloroaniline)	101-14-4	4		Liquid	Liquid		aminozobenzene) 2014
4,4'-Oxydianiline 4,4'-Thiodianiline	101-80-4 139-65-1	1		Chromatographic	Chromatographic (HPLC) Analysis.			
o-Toluidine	95-53-4	1			(In EC) Analysis.			
2,4-Toluylenediamine	95-80-7	1						
2,4,5-Trimethylaniline	137-17-7	1						
o-Anisidine	90-04-0	1						
p-Aminoazobenzene	60-09-3]						
2,4-Xylidine	95-68-1]						
2,6-Xylidine	87-62-7							
Subgroup: Carcino	aenic Dves	5						
C.I Acid Red 26	3761-53-3							
C.I. Basic Red 9	569-61-9	1						
C.I. Basic Violet 14	632-99-5	1						
C.I Direct Blue 6	2602-46-2]						
C.I Direct Red 28	573-58-0							
C.I Direct Black 38	1937-37-7	Best						
C.I Disperse Blue 1	2475-45-8	current						
C.I. Disperse Yellow 3	2832-40-8	testing technolog						
C.I. Disperse Orange 11	82-28-0	y using	Best current					All use of
C.I. Disperse Yellow 23 C.I. Disperse Orange 149	6250-23-3 85136-74-9	lowest	testing				Solvent	Subgroup:
C.I. Solvent Yellow 1	60-09-3	detection	technology using				extraction and	carcinogenic
	60-11-7	/	lowest detection /				GC-MS	Dyes banned
C.I. Solvent Yellow 2	EN71-9	reporting	reporting limits				analysis	as of 01 September
C.I. Solvent Yellow 3	97-56-3	limits	always updated					2014
C.I. Solvent Yellow 14	842-07-9	always	and applied					
C.I. Basic Blue 26	2580-56-5	updated						
C.I. Basic Violet 1	8004-87-3	and						
	EN71-9	applied						
C.I. Direct Brown 95 C.I. Direct Blue 15	16071-86-6 2429-74-5	4 1						
C.I. Direct Blue 15	28407-37-6	1 1						
C.I Acid Red 114	6459-94-5	1						
C.I Acid Violet 49	1694-09-3	1						
Subgroup: Allerger		e Dves						
C.I. Disperse Blue 1	2475-45-8							
C.I. Disperse Blue 3	2475-46-9	1						
C.I. Disperse Blue 7	3179-90-6	1						
C.I. Disperse Blue 26	3860-63-7	Best						
C.I. Disperse Blue 35	12222-75-2	current						
C.I. Disperse Blue 102	12222-97-8	testing						All use of
C.I. Disperse Blue 106	12223-01-7	technolog	Burk and S					Subgroup:
C.I. Disperse Blue 124	61951-51-7	y using	Best current					Allergenic
C.I. Disperse Brown 1	23355-64-8	lowest	testing					Disperse
C.I. Disperse Orange 1	2581-69-3	detection	technology using lowest detection /				DIN 54231	Dyes
C.I. Disperse Orange 3 C.I. Disperse Orange	730-40-5 13301-61-6	/ reporting	reporting limits always updated					banned as of 01 September
37/76		1 10 and 10 a	aiways upuated					September 2014
37/76 C.I. Disperse Red 1		limits	and applied					2014
C.I. Disperse Red 1	2872-52-8	always	and applied					
C.I. Disperse Red 1 C.I. Disperse Red 11	2872-52-8 2872-48-2	always updated	and applied					
C.I. Disperse Red 1	2872-52-8	always updated and	and applied					
C.I. Disperse Red 1 C.I. Disperse Red 11 C.I. Disperse Red 17	2872-52-8 2872-48-2 3179-89-3	always updated	and applied					
C.I. Disperse Red 1 C.I. Disperse Red 11 C.I. Disperse Red 17 C.I. Disperse Yellow 1	2872-52-8 2872-48-2 3179-89-3 119-15-3	always updated and	and applied					
C.I. Disperse Red 1 C.I. Disperse Red 11 C.I. Disperse Red 17 C.I. Disperse Yellow 1 C.I. Disperse Yellow 3	2872-52-8 2872-48-2 3179-89-3 119-15-3 2832-40-8	always updated and	and applied					

The following reflects ZIP GFD spa's RSL detection limits as of 01 September 2015 These detection/reporting limits and test methods will be revised - at least yearly, to always reflect best current technology using lowest detection/reporting limits.

		Detec	tion Limit		Test Me	thod		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (μg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
5. Organotin c	ompoun	ds						
MBT(Monobutyltin) DBT(Dibutyltin) TBT(Tributyltin) TPhT(Triphenyltin) DOT(Dioctyltin) MOT(Monooctyltin) DPhT(Diphenyltin) TeBT(Tetrabutyltin) TCyT(TricyclohexylTin) TPT(Tripropyltin) TeET(Tetraethyltin)	1118-46-3 1002-53-5 56573-85- 4 892-20-6 94410-05- 6 15231-44- 4 1011-95-6 1461-25-2 NA NA 597-64-8	0.01	0.01	With Reference To DIN EN17353 And Followed by Gas Chromatography- Mass Spectrometry (GC-MS) Analysis.	With Reference To DIN EN17353 And Followed by Gas Chromatography- Mass Spectrometry (GC-MS) Analysis.	Solvent extraction, derivatisation with tetraethylborate, GC/MS.	Extraction / Derivation followed by GC-MS analysis	All use of Organotin Compunds banned as of 01 September
DBTC TPT DBB	56-35-9 683-18-1 668-34-8 75113-37- 0	Best current testing technology using lowest detection / reporting limits always updated and applied	Best current testing technology using lowest detection / reporting limits always updated and applied					2014

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		Detec	tion Limit		Test	Method		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
6. PFCs (Perfl	uorocarb	on / Polv	fluorinated	Compoun	ds)			
PFOA	335-67-1	0.01	0.001					
PFNA	375-95-1	0.01	0.001				Solvent	
PFBS	375-73-5 or 59933- 66-3	0.01	0.001				Extraction, LC-MS analysis.	
PFOS	1763-23- 1	0.01	0.001					1
4:2 FTOH	2043-47- 2	0.1	0.01					
6:2 FTOH	647-42-7	0.1	0.01]				
8:2 FTOH	678-39-7	0.1	0.01				Extraction/	
10:2 FTOH	865-86-1	0.1	0.01				Derivation followed by	
POSF	307-35-7	0.1	0.01				GC-MS	
PFHxS	355-46-4	0.01	0.001				analysis	
PFHxA	307-24-4	0.01	0.001				,	
PFOSA	754-91-6	0.1	0.01					
N-Me-FOSA	31506- 32-8	0.1	0.01					
N-Et-FOSA	4151-50- 2	0.1	0.01 0.01					
N-Me-FOSE alcohol	24448- 09-7	0.1	0.01					All use of PFCs
N-Et-FOSE alcohol	1691-99- 2	0.1	0.01	CEN/TS	C EN/TS	Solvent extraction		(Perfluorinated
PFBA	375-22-4	0.01	0.001	15968:2010 -	15968:2010. LC/MS	CEN/TS		Polyfluorinated
PFPeA	2706-90- 3	0.01	0.001	modified	analysis - modified	15968:2010. LC/MS analysis		Compounds) banned as of
PFHpA	375-85-9	0.01	0.001		mounicu	- modified		01 September
PFDA	335-76-2	0.01	0.001					2015
PFUnA	2058-94- 8	0.01	0.001					
PFDoA	307-55-1	0.01	0.001					
PFTrA	72629- 94-8	0.01	0.001				Solvent	
PfteA	376-06-7	0.01	0.001				Extraction,	
PFHpS	375-92-8	0.01	0.001				LC-MS	
PFDS	335-77-3	0.01	0.001				analysis.	
6:2 FTA	17527- 29-6	0.1	0.01					
8:2 FTA	27905- 45-9	0.1	0.01					
10:2 FTA	17741- 60-5	0.1	0.01					
PF-3,7-DMOA	172155- 07-6	0.01	0.001					
НРҒНрА	1546-95- 8	0.01	0.001					
4HPFUnA	34598- 33-9	0.01	0.001					
1H, 1H, 2H, 2H-PFOS	27619- 97-2	0.01	0.001					

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		Detection	on Limit		Test M	/lethod		
	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
7. Chloro ben:	zenes							
Dichlorobenzenes	various							
1,2-Dichlorobenzene	95-50-1							
1,3-Dichlorobenzene	541-73-1							
1,4-Dichlorobenzene	106-46-7							
Trichlorobenzenes	various							
1,2,3-Trichlorobenzene	87-61-6							AU
1,2,4-trichlorobenzene	120-82-1						Extraction /	All use of Chloro
1,3,5-Trichlorobenzene	108-70-3			Liquid	Liquid	Solvent	Derivation	Benzenes are
Tetrachlorobenzene	12408-10-5	0.02	0.01	extraction GC-	extraction GC-	extraction GC-	followed by GC-	banned as of
1,2,3,4- tetrachlorobenzene	634-66-2			MS analysis.	MS analysis.	MS analysis.	MS analysis	01 September 2014
1,2,3,5- tetrachlorobenzene	634-90-2							
1,2,4,5- tetrachlorobenzene	95-94-3							
Pentachlorobenzene	608-93-5							
Hexachlorobenzene #	118-74-1	1						

		Detectio	on Limit		Test M	lethod		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
Chloro-Tolue	nes							
(solvents and biocides. P	roduction dyes. Ch	emical Intermediat	es. Antifelting)					
2-chlorotoluene	95-49-8							
3-chlorotoluene	108-41-8	Best current						
4-chlorotoluene	106-43-4	testing						
2,3-dichlorotoluene	32768-54-0	technology						
2,4-dichlorotoluene	95-73-8	using lowest						
2,5-dichlorotoluene	19398-61-9	detection /						
2,7-dichlorotoluene	118-69-4	reporting						
3,4-dichlorotoluene	95-75-0	limits always	Best current					
2,3,6-trichlorotoluene	2077-46-5	updated and	testing					
2,4,5-trichlorotoluene	6639-30-1	applied	technology					All use of
Benzotrichloride	98-07-7		using lowest				Solvent	Chloro-
alfa, 2,4- trichlorotoluene	94-99-5		detection / reporting				extraction and GC-MS	Toluenes are banned as of
alfa,2,6- trichlorotoluene	2014-83-7		limits always updated and				analysis	01 September 2014
alfa,3,4- trichlorotoluene	102-47-6		applied					
alpha, alpha, 2,6- tetrachlorotoluene	81-19-6	1						
alpha, alpha, alpha, 2,-tetrachlorotoluene	2136-89-2							
alpha, alpha, alpha, 4- tetrachlorotoluene	5216-25-1]						
2,3,4,5,6- pentachlorotoluene	877-11-2							

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		Detection	Limit		Test Metho	od		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase- out
8. Chlorinated	d solven	its						
Dichloromethane	75-09-2							
Chloroform	67-66-3							
Tetrachloromethane	56-23-5							
1,1,2-Trichloroethane	79-00-5							
1,1-Dichloroethane	75-34-3			By Headspace	By Headspace			All Chlorinated
1,2-Dichloroethane	107-06-2			Gas	Gas		Extraction /	solvents are banned as of 01
Trichloroethylene	79-01-6			Chromatography	Chromatography	GC-MS	Derivation	September 2014
Perchloroethylene	127-18-4	1	0.3	Mass	Mass	Headspace	followed by	(percloroetilene
1,1,1-trichloroethane	71-55-6			Spectrometric	Spectrometric	analysis.	GC-MS	banned as of 01
1,1,1,2- Tetrachloroethane	630-20-6			(HS – GC/MS) Analysis.	(HS – GC/MS) Analysis.		analysis	September 2015)
1,1,2,2- Tetrachloroethane	79-34-5							
Pentachloroethane	76-01-7							
1,1-Dichloroethylene	75-35-4							

		Detection	Limit		Test Me	ethod		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (μg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
Other VOCs								
Methyl-ethyl ketone	78-93-3	Best current	0,1 ppm					
Benzene	71-43-2	testing	0,1 ppm					
Toluene	108-88-3	technology	0,1 ppm					
Ethylbenzene	100-41-4	using lowest	0,1 ppm					
Xylene	1330-20-7	detection /	0,1 ppm]	
Styrene	100-42-5	reporting limits	0,1 ppm					
Cyclohexanone	108-94-1	always updated	2,0 ppm					All use of
2-ethoxyethylacetate	111-15-9	and applied	10,0 ppm				Solvent extraction and	Other VOCs
1,2,3-trichloropropane	96-18-4		10,0 ppm				GC-MS	banned as of
Acetophenone	98-86-2		0,1 ppm				analysis	01 September 2014
Naphtalene	91-20-3		0,1 ppm					2014
N,N-dimethylformamide	68-12-2		0,1 ppm					
1-methyl-2-pyrrolidone	872-50-4		50,0 ppm					
2-phenyl-2-propanole	617-94-7		0,1 ppm					
Bis-(2-methoxyethyl) ether	111-96-6		20,0 ppm					
N,N-dimethylacetamide	127-19-5		20,0 ppm					

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		Detect	tion Limit		Test Me	thod		
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/I)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
9. Chloro phen	ols							
Pentachlorophenols (PCP) #	87-86-5							
Tetrachlorophenols (TeCP)	25167- 83-3							
2,3,4,5- Tetrachlorophenol	4901-51- 3							
2,3,4,6- Tetrachlorophenol	58-90-2							
2,3,5,6- tetrachlorophenol	935-95-5							
Trichlorophenol (TriCP)	25167- 82-2			Extraction /	Liquid extraction,	Solvent extraction,	Extraction /	All use of Chloro
2,4,6-trichlorophenol	88-06-2	4		Derivation /	derivatisation,	derivatisation,	Derivation	phenols are
2,3,4-trichlorophenol	15950- 66-0	0.5	0.025	followed by GC- MS analysis	with acetic anhydride, GC-	with acetic anhydride, GC-	followed by GC-MS	banned as of 01
2,3,5-trichlorophenol 2,3,6-trichlorophenol	933-78-8 933-75-5				MS analysis.	MS analysis.	analysis	September 2014
2,3,6-trichlorophenol	933-75-5							2014
3,4,5-trichlorophenol	609-19-8							
Dichlorophenols (DiCP)	25167- 81-1							
2,3-dichlorophenol	576-24-9							
2,4-dichlorophenol	120-83-2							
2,5-dichlorophenol	583-78-8							
3, 4-dichlorophenol	95-77-2							
3, 5-dichlorophenol	591-35-5							
Mono Chlorophenol	various							
Г		Datast		[Test Me	thad		
		Input:	on Limit		restime			
Substance	CAS-nr.	Chemical Formulations / Output: Waste water (μg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
10. SCCP								
SCCP C10-13	85535- 84-8	0.4	0.03	Extraction with toluene, GC-MS resp. LC/MS analysis.	Liquid extraction with toluene, GC-MS resp. LC/MS analysis.	Solvent extraction with toluene, GC-MS resp. LC/MS analysis.	Solvent Extraction & GC-CE analysis.	All use of SCCP is banned as of 01 September 2014

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		Detect	ion Limit	Test Method				
Substance	CAS-nr.	Input: Chemical Formulations / Output: Waste water (µg/l)	Output: Products / Output: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase- out
11. Heavy me	etals							
Total Cadmium(Cd)	7440-43- 9	0.1	1				EN 1122-2001 / Acid Digestion	
Total Lead(Pb)	7439-92- 1	1	1				followed by ICP analysis. (Total)	
Total Mercury(Hg)	7439-97- 6	0.05	0.006				ISO 105-E04 acid perspiration	
Total Nickel(Ni)	7440-02- 0	1	1				extraction & ICP analysis. Extractable)	
Total Hexavalent hromium(Cr-VI)	18540- 29-9		1	Digestion, ICP	Digestion, ICP	Digestion, ICP	DIN 53314-1996 UNE EN 17075:2008	
Total Arsenic(As)	7440-38- 2	1	1	analysis.	analysis.	s. analysis.		
Total Chromium(Cr)	7440-47- 3	1	1				ISO 105-E04 acid	All use of
Total Copper(Cu)	7440-50- 8	1	1				perspiration extraction & ICP	Heavy Metals
Total Zinc(Zn)	7440-66- 6	1	4				analysis. Extractable)	phasie- out
Total Manganese(Mn)	7439-96- 5	1	1					
Total Antimony (Sb)	7440-36- 0	1	1					
Total Cobalt (Co) (Extractable heavy- metals by artificial acidic sweat)	7440-48- 4	Best current testing technology using lowest detection / reporting limits always updated and applied	≤ 4 ppm (≤ 1 ppm for children)	Best current testing technology using lowest detection / reporting limits always updated and applied	Best current testing technology using lowest detection / reporting limits always updated and applied	Best current testing technology using lowest detection / reporting limits always updated and applied	Heavy metals extractable: by acid sweat Extraction UNI EN ISO 105-E04. Determination AAS-ICP/OES/MS. Determination CrVI: extraction in alkaline buffer - colorimetric detection method to difenilcabazide.	

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		D			Test	l a tha a d		
			on Limit		lest N	lethod		
		Input:	Output:					
		Chemical	Products /					
		Formulation	Output:					
		s / Output:	Waste Water					STATUS
		Waste water	Sludge	Input: Chemical	Output: Waste	Output:	Output:	Banned/
Substance	CAS-nr.	(µg/I)	(mg/kg)	Formulations	water	Sludge	Products	phase-out
OTHERS			,					
OTTERS			declaration					
			declaration	declaration of				
			of non-use-	non-use-				All use of
			best current	best current			ISO 105-E04	All use of Cvanide
Currida			testing		Digestion, ICP	Digestion, ICP	acid perspiration	-,
Cyanide	-	4	technology	testing	analysis.	analysis.	extraction & ICP	banned as 01
			always	technology	·		analysis.	September 2014
			updated and	always updated			(Extractable)	2014
			applied	and applied				
Formaldehyde (gas)		declaration	applieu					
l offiaidenyde (gas)			declaration	declaration of	declaration of	declaration of		
		of non-use –	of non-use –	declaration of	non-use –	non-use-		
		Best current	Best current	non-use-	Best current	Best current		
		testing	testing	Best current	testing	testing		All use of
		technology		testing	5	5		Formaldehyde
		using lowest	technology	technology	technology	technology	UNI EN ISO	(gas) banned
	50-00-0	detection /	using lowest	using lowest	using lowest	using lowest	14184-1	as of 01
			detection /		detection /	detection /	14104-1	
		reporting	reporting	detection /	reporting	reporting		September 2014
		limits	limits always	reporting limits	limits always	limits always		2014
		always		always updated				
		updated	updated and	and applied	updated and	updated and		
		and applied	applied		applied	applied		
BIOCIDES		and applied						
	202.25.5							
Aldrin	309-00-2	4						
Captafol	2425-06-1	4						
Chlordane	57-74-9							
DDT	50-29-3							
o,p'-DDT	789-02-6							
Dieldrin	60-57-1							
Endrin	72-20-8							
Heptachlor	76-44-8							
Hexachlorobenzene #	118-74-1						Organo-	
a-Hexachlorocyclehexane	319-84-6						chlorinated	
ß-Hexachlorocyclehexane	319-85-7						pesticides: US	
δ-Hexachlorocyclehexane							EPA 8081:	
	319-86-8 93-76-5						cotton and	
2,4,5- T	93-76-5						cellulose natural	
2,4-D							fibres - Soxhlet extraction or	
chlordimeform	6164-98-3						ultrasonic bath	
Ethyl-4,4'-	510-15-6						with apolar	
dichlorobenzilate							solvents (iso-	
Dinoseb	88-85-7						octane, n-	
monocrotophos	6923-22-4						hexane).	
Pentachlorophenol #	87-86-5		declaration				Chlorinated	
Toxaphene	8001-35-2		of non-use /				herbicides: US	
methamidophos	10265-92-6	Best current	<1ppm				EPA 8151:	
methyl parathion	298-00-0	testing	< thun				cotton and	
parathion	56-38-2	technology	Best current				cellulose natural	All
phosphamidon	13171-21-6	using lowest					fibres -	All use of
lindane	58-89-9	detection /	testing				methanol	Biocides banned as of
DDD	53-19-0	reporting	technology				extraction.	
DDD (Dichlorodiphenyl-	72-54-8	limits	using lowest				Organo-	September
dichloroethane)	/2-34-0		detection /				phosphorous	2014
diazinon	333-41-5	always	reporting				compounds: US	
propetanfos		updated	limits always				EPA 8141: cotton and	
	31218-83-4	and applied	updated and				cellulose natural	
chlorfenvinphos	470-90-6	4	applied				fibres. Semi-	
diclorofention	97-17-6	4					volatile organic	
clorpyrofos	5598-15-2						compounds: US	
fenchlorphos	299-84-3						EPA 8270 C:	
diflubenzurone	35367-38-5						cotton and	
triflumurone	64628-44-0]					cellulose natural	
cypermethrin	52315-07-8	1					fibres. IWTO	
deltamethrin	52918-63-5	1					Draft Test	
	51630-58-1	1					Method 59:	
fenvalerate		1					Wool and animal	
cyhalothrin	91465-08-6	4					keratin fibres -	
flumethrin	69770-45-2	4					determination	
Azinophosmethyl	86-50-0	1					using GC-MS	
Azinophosethyl	2642-71-9						and LC-MS.	
	4824-78-6]						
Bromophos-ehtyl								
	63-25-2							
Carbaryl	63-25-2							
Carbaryl Coumaphos	63-25-2 56-72-4							
Carbaryl Coumaphos Cyfluthrin	63-25-2 56-72-4 68359-37-5							
Carbaryl Coumaphos Cyfluthrin DEF	63-25-2 56-72-4 68359-37-5 78-48-8							
Carbaryl Coumaphos Cyfluthrin	63-25-2 56-72-4 68359-37-5 78-48-8 3424-82-6							
Carbaryl Coumaphos Cyfluthrin DEF	63-25-2 56-72-4 68359-37-5 78-48-8							

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Dicrotophos	141-66-2
Dimethoate	60-51-5
Endusolfan, a-	959-98-8
Endusolfan, β-	33213-65-9
Esfenvalerate	66230-04-4
Heptachloroepoxide	1024-57-3
Isodrine	465-73-6
Kelevane	4234-79-1
Kepone	143-50-0
Malathion	121-75-5
MCPA	94-74-6
MCPB	94-81-5
Mecoprop	93-65-2
Mirex	2385-85-5
Methoxychlor	72-43-5
Perthane	72-56-0
Phosdrin/Mevinphos	7786-34-7
Profenophos	41198-08-7
Quinalphos	13593-03-8
Strobane	8001-50-1
Telodrine	297-78-9
Trifluralin	1582-09-8

		Detection Limit		Test Method				
Substance	CAS-nr.	Input: Chemical Formulatio ns / Output: Waste water (μg/l)	Output: Products / OutPut: Waste Water Sludge (mg/kg)	Input: Chemical Formulations	Output: Waste water	Output: Sludge	Output: Products	STATUS Banned/ phase-out
ORTHO-PHENYL	PHENOL							
o-Phenylphenol (OPP)	90-43-7		Best current testing technology using lowest detection / reporting limits always updated and applied					
NITROSAMINES								
N-Nitrosodimethylamine (NDMA)	62-75-9		Declaration of non-use-Best current testing				UNI EN 14602	All use banned as of 01 September 2014
N-Nitrosodiethylamine (NDEA)	55-18-5							
N-Nitrosodi- <i>n</i> -propylamine (NDPA)	621-64-7							
N-Nitrosodi <i>-n-</i> butylamine (NDBA)	924-16-3		technology using lowest					
N-Nitrosopiperidine (NPIP)	100-75-4		detection /					
N-Nitrosopyrrolidine (NPYR)	930-55-2		reporting limits					
N-Nitrosomorpholine (NMOR)	59-89-2		always updated and applied					
N-nitroso N-methyl N- phenylamine (NMPhA)	614-00-6							
N-nitroso-N-ethyl-N- phenylamine (NEPhA)	612-64-6							
POLYAROMATIC	HYDRO	CARBON	S					
Benzo-[a]-pyrene (BaP)	50-32-8							
Benzo-[e]-pyrene(BeP)	192-97-2		declaration of					
Benzo-[a]-anthracene(BaA)	56-55-3		non-use-					
Chrysene(CHR)	218-01-9		Best current				Solvent extraction and GC-MS analysis	All use banned as of 01 September 2014
Benzo-[b]- fluoranthene(BbFA)	205-99-2		testing technology					
Benzo-[j]- fluoranthene(BjFA)	205-82-3		using lowest detection /					
Benzo-[k]- fluoranthene(BkFA)	207-08-9		reporting limits always updated					
Dibenzo-[a,h]-anthracene (DBAhA)	53-70-3		and applied					
BIOCIDES – AN	FI-MOUL	D						
Dimethyl fumarate (DMF)	624-49-		declaration of				Solvent	
, , ,	7		non-use- Best current				extraction and GC-MS\LC-MS	All use
N,N-Dimethyl formamide	68-12-2		testing technology				analysis Extraction and GC-MS\LC-MS analysis	banned as of 01 September 2014
(DMF(A))	08-12-2		using lowest detection / reporting limits always updated					
			always updated and applied				analysis	