PRODUCTS COMPLYING WITH ZDHC MRSL

Positive list
JOINT ROADMAP TOWARDS ZERO DISCHARGE OF HAZARDOUS CHEMICALS (ZDHC)

As a chemical company we commit ourselves to protect the environment and the safety and health of those who are getting directly or indirectly in contact with our products. Therefore, Textilchemie Dr. Petry GmbH is supporting the idea of the Towards Zero Discharge of Hazardous Chemicals (ZDHC), Joint Roadmap, Version 2.

For this purpose we have prepared a product catalogue containing auxiliaries from our portfolio which comply with ZDHC Manufacturing Restricted Substances List (MRSL).

The ZDHC MRSL is a list of chemical substances excluded from intentional use during processing textile materials and trim parts in apparel and footwear. Due to the existence of manufacturing impurities in chemical formulations, traces of the restricted substances are permitted within defined concentration limits. The individual limits are mentioned in the ZDHC MRSL\(^1\) in column “Group B: Chemical supplier Commercial Formulation Limit”. Auxiliaries, dyes and pigments containing restricted substances exceeding these limits are not compliant with the MRSL.

Based on the information available to us from our raw material suppliers we confirm that none of our products mentioned in this catalogue contain as intentional component any of the substances listed in the ZDHC MRSL or contain any of the substances as impurities above the limit specified in the MRSL. To the best of our knowledge, none of the substances are intentionally generated during production either.

The following substances and substance groups are restricted according to ZDHC Manufacturing Restricted Substances List (Version 1.1 released in December 2015):

- Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)
- Chlorobenzenes and Chlorotoluvenes
- Chlorophenols
- Dyes - Azo Dyes Forming Restricted Amines
  - Navy Blue Colorants\(^2\)
  - Carcinogenic Dyes or any Dyes under Equivalent Concern
  - Sensitizing Disperse Dyes\(^3\)
- Flame Retardants\(^2\)
- Glycols\(^2\)
- Halogenated Solvents
- Organotin Compounds
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Perfluorinated and Polyfluorinated Chemicals (PFCs)\(^3\)
- Phthalates – Including all other Esters of Ortho-Phthalic Acid
- Total Heavy Metals
- Volatile Organic Compounds (VOC)\(^2\)

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\(^2\) not the whole substance group, but individual substances are restricted (see MSRL)

\(^3\) since January 2015 long chain PFCs with carbon chain length C8 and higher are banned. Until safer alternatives are found, fluorinated polymers based on C6 telomer chemistry are still permitted for water, oil and stain repellence and soil release finishes, as long as the products comply with the given limits for PFOA.
This brochure contains selected products from Textilchemie Dr. Petry’s portfolio only. Please do not hesitate to contact us if you require any further information about products not listed on the following pages. Our technical staff will always be at your disposal to check the compliance status of any other product from our range.

Please contact

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1. Pretreatment agents
   1.1 Fibre protecting agents in pretreatment
       PERISTAL PRO liq.
   1.2 Bleaching auxiliaries
       PERIPLEX AHL
       PERIPLEX AHS
       PERISTAL BFL
       PERISTAL BWO
       PERISTAL CL
       PERISTAL EP
       PERISTAL EPJ
       PERISTAL EPJ conc.
       PERISTAL EPJ/I
       PERISTAL EPJ/K
       PERISTAL LT liq.
       PERISTAL MW conc.
       PERISTAL PSK conc.
       PERISTAL PSN
       PERISTAL PSV
       PERISTAL WWC
       PERISTAL WWH
       PERIZYM CAT
       PERIZYM CAT d.c.
       PERIZYM RED
   1.3 Mercerising and causticizing auxiliaries
       PERISTAL 6910
       PERIWET MN NEW
   1.4 Sizing agents and sizing additives
       EKACELL DT 20
       EKACELL DT 250
       EKAGUM 143 NK
       EKAGUM R
       EKAGUM SE-AK/3
       EKASTAR CMS
       EKAVIOL BEZ
       EKAWAX 444
       PERFILAN 828 conc.
       PERFILAN SES
       PERFILAN SLS conc.
   1.5 Desizing agents
       PERIZYM AM
       PERIZYM DBS
       PERIZYM HT
       PERIZYM HT NEW
       PERIZYM TAW d.c.
   1.6 Optical brighteners (fluorescent brighteners)
       PERIBLANC APP
       PERIBLANC BA liq.
       PERIBLANC BL liq.
       PERIBLANC BU liq.
       PERIBLANC PAC liq.
       PERIBLANC PES conc.
       PERIBLANC SA liq.
   2. Textile auxiliaries for dyeing and printing
   2.1 Dyestuff solubilizing and hydrotropic agents
       PERISOL B6
       PERISOL NBI
   2.2 Dispersing agents and protective colloids
       PERIGEN ASW
       PERIGEN DLS
       PERIGEN DPL
       PERIGEN LDR
       PERIGEN SEF
       PERIGEN W 130
       PERIGEN W 190 NEW
       PERIGEN NT
       PERISOL RIO
       2.3 Dyeing wetting agents, deaeration agents
       PERIWET ELR
       PERIWET SL
       2.4 Levelling agents
       PERETARD GAN
       PERETARD UTI
       PERIGEN ACR
       PERIGEN AR
       PERIGEN CD
       PERIGEN DPL
       PERIGEN DUS
       PERIGEN EN
       PERIGEN ES
       PERIGEN EU
       PERIGEN FTR
       PERIGEN FTR NEW
       PERIGEN FTR/C
       PERIGEN HT
       PERIGEN HTI
       PERIGEN HTN
       PERIGEN KFJ
       PERIGEN KPS
       PERIGEN KU
       PERIGEN MKL
       PERIGEN PEL
       PERIGEN RIO
       PERIGEN SMV
       PERIGEN SRL
       PERIGEN TAM
       PERIGEN W 150
       PERIGEN WES
       2.5 Carriers
       PERFILAN MPE conc.
       PERISTAL MPE conc.
       2.6 Crease-preventing agents
       PERFILAN AC conc.
       PERFILAN FOS
       PERFILAN NHS/R
       PERFILAN PA NEW
       PERFILAN PED
       PERFILAN PES
       PERFILAN RFC
       PERFILAN TR
       2.7 Dyestuff protecting agents, boildown protecting agents
       PERFIXAN AMF
       PERFIXAN AMF liq.
       PERFIXAN AMZ
       PERFIXAN AMZ liq.
       PERFIXAN COMPLETE NEW
       PERFIXAN F 5000
       PERFIXAN NAF
       PERFIXAN RD/N
       PERFIXAN RDL/N
       PERFIXAN SFA
       PERFIXAN TAL
       PERLAVIN RIS
       PERLAVIN SRD
       PERLAVIN SRD NEW
       PERLAVIN SRL
       PERLAVIN SRS
       PERLAVIN SRS/N
   2.8 Anti-migration agents
       PERFILAN AC conc.
       PERFILAN MIP
       2.9 Aftertreatment agents for fastness improvement
       PERFIXAN AMF
       PERFIXAN AMF liq.
PERISOFT GSI
PERISOFT GSV/R
PERISOFT HS conc.
PERISOFT HSM NEW
PERISOFT HSM/LM
PERISOFT HWJ/S
PERISOFT J 23/R
PERISOFT JOP
PERISOFT KLI
PERISOFT LOF/R
PERISOFT LS conc.
PERISOFT MSA
PERISOFT MSA/AV
PERISOFT MSN
PERISOFT MSN/AV
PERISOFT MSN/T
PERISOFT MSS
PERISOFT MSS 45
PERISOFT MSN
PERISOFT MV
PERISOFT NANO
PERISOFT NANO/LM
PERISOFT NHS/R
PERISOFT NIS/R
PERISOFT NIS/R/AV
PERISOFT NPE
PERISOFT NR 100
PERISOFT NVJ/R
PERISOFT NVN/R
PERISOFT POD 100
PERISOFT PSW/R
PERISOFT PU
PERISOFT RSH/R
PERISOFT SE
PERISOFT SJV
PERISOFT SML
PERISOFT SQI
PERISOFT SW
PERISOFT SYN
PERISOFT TSJ/R liq.
PERISOFT ULT
PERISOFT ULT NEW
PERISOFT VA/R
PERISOFT VNUM/R
PERISOFT WSE/R

3.4 Anti-electrostatic agents
PERISTAT AN
PERISTAT ANP
PERISTAT CF
PERISTAT CME
PERISTAT FA
PERISTAT KCP
PERISTAT P
PERISTAT SE

3.5 Conditioning agents
PERIFIL 207/R
PERIFIL 208/R
PERIFIL 210
PERIFIL 210 C
PERIFIL 210 liq.
PERIFIL 210/B
PERIFIL 210/E
PERIFIL 210/K
PERIFIL 210/S
PERIFIL 250/R
PERIFIL 27/R
PERIFIL 3000
PERIFIL BNK/R
PERIFIL CFS
PERIFIL CL 3/R
PERIFIL CSL/R
PERIFIL DLC liq.
PERIFIL GPN liq.
PERIFIL GRM
PERIFIL GTN/R
PERIFIL JAK/R
PERIFIL LCF/R
PERIFIL LEC
PERIFIL LFR
PERIFIL LSH
PERIFIL OXL/R
PERIFIL PA
PERIFIL PEN/G
PERIFIL PEN/R
PERIFIL PNI/R
PERIFIL PNU/R
PERIFIL SNA/R
PERIFIL SOG/R
PERIFIL TSP
PERIFIL 20B
PERIFILE 144
PERIFILE 151
PERIFILE 176
PERIFILE CM 133
PERIFILE CML/R
PERIFILE CO
PERIFILE LRH
PERIFILE SLH/R
PERIFILE TEX

3.6 Lustring agents
PERIPRET BA
PERIPRET GW

3.7 Non-slip, ladder-proof and anti-snag agents
PERIPRET CAS
PERIPRET PW
PERIPRET ST

3.8 Bonding agents
PERIBOND PA/C
PERIBOND PU

3.9 Water repellents and oil repellents (including additives)
PERIGUARD EXT NEW
PERIGUARD PR
PERIGUARD WRC
PERIGUARD ZP conc.
PERIWET DFC liq.

3.10 Soil-release agents
PERIGUARD SRH

3.11 Flame retardants
PERIGUARD FR/H
PERIGUARD FR/NP
PERIGUARD FR/P
PERIGUARD VP 207

4. Coating polymers and additives
4.1 Polyvinyl acetates
PERICOAT VA 110
PERICOAT VA 115
PERICOAT VA 150 NEW

4.2 Polycrylates
PERICOAT AC 211
PERICOAT AC 220
PERICOAT AC 224
PERICOAT AC 225
PERICOAT AC 226
PERICOAT AC 230
PERICOAT AC 250
PERIPRET PDB

4.3 Polyurethanes
PERICOAT PU 302
PERICOAT PU 310
PERICOAT PU 320
PERICOAT PU 340 NEW
PERICOAT PU 350 NEW
PERICOAT PU/GL

4.4 Polyvinylchlorides
PERICOAT VC 520

4.5 Polymer thickeners
PERIPRINT TA
PERIPRINT TN
PERIPRINT TN/PF
PERIPRINT TPU

4.6 Polymer compounds
PERICOAT COMPOUND BOTK
PERICOAT COMPOUND P3D
PERICOAT DU/AR
PERICOAT FL
PERICOAT LEATHER
PERICOAT REFLEX BASE
PERIPRINT RUB
PERIPRINT RUB/W

4.7 Foaming agents and foam stabilizers
PERICOAT FOAMER HPI
PERICOAT FOAMER HPO
PERICOAT STABILIZER STA

4.8 Crosslinking systems
PERICOAT CROSS LINER AZ
PERICOAT CROSS LINER MV
PERICOAT CROSS LINER NF
PERILINK NF NEW

4.9 Universal additives
PERICOAT COMPOUND POX
PERICOAT REFLEX PEARL
PERICOAT SIK
PERIFIL ADD 24
PERIPRINT SOFT
PERISTAL TEA

5. Technical auxiliaries for multipurpose use in the textile industry

5.1 Wetting agents
PERIWET AKN
PERIWET ANL
PERIWET DFC liq.
PERIWET ELB
PERIWET ELB NEW
PERIWET ELR
PERIWET RAP
PERIWET TON
PERIWET WDP
PERIWET WDP NEW
PERIWET WLV

5.2 Anti-foaming agents (foam inhibitor)
PERIFOAM AFL
PERIFOAM AFL liq.
PERIFOAM BAO
PERIFOAM DNP/O
PERIFOAM ESH
PERIFOAM FA conc.
PERIFOMA NSI
PERIFOMA NSI NEW
PERIFOAM SER liq.
PERIWET DAF
PERIWET SL
PERIWET SLN

5.3 Detergents, dispersing and emulsifying agents
PERISOL FAX
PERISOL NLF
5.4 Chelating agents
PERIGON H
PERIQUEST AP
PERIQUEST APG
PERIQUEST APL
PERIQUEST BSD
PERIQUEST BSV
PERIQUEST CA
PERIQUEST KA conc.
PERIQUEST SDL

6. Enzymes
PERIZYM 2000
PERIZYM 58
PERIZYM 69 d.c.
PERIZYM ACE 10
PERIZYM ACE 15
PERIZYM AFW
PERIZYM BJ
PERIZYM CAT
PERIZYM CAT d.c.
PERIZYM DEN
PERIZYM IND
PERIZYM LTC
PERIZYM LTC 300
PERIZYM LTC NEW
PERIZYM RED

7. Other auxiliaries
PERFIXAN FDP
PERIFLOC RS conc.
PERIFORAN
PERIGUM G/E8
PERIGUM T/9F
PERIJET CEL
PERILAN AFF
PERIPLEX CDS/B
PERIPRET HKV
PERIPRET LUSTER 2
PERIPRET M5
PERISOL CLA
PERISOL MCL
PERISOL MSR conc.
PERISOL NBI
PERISOL NU
PERISTAL AYL
PERISTAL BLI 15 ECO
PERISTAL BLI 85 N ECO