



ZDHC – POSITIVE PRODUCT LIST

*Golden Issue: April 2018 based on
ZDHC - version 1.1, December 2015*

Golden
TECHNOLOGY



ZDHC – POSITIVE LIST (Zero Discharge of Hazardous Chemicals)

In 2011, a group of major apparel and footwear brands and retailers made a shared commitment to help lead the industry towards zero discharge of hazardous chemicals by 2020.

As a part of the commitment and first steps towards ZDHC, the group of brands published a Joint Roadmap in November 2011. The document demonstrates the group's collaborative efforts in leading the apparel and footwear industry towards ZDHC (Zero Discharge of Hazardous Chemicals) for all products across all pathways by 2020.

The Joint Roadmap is highly ambitious; It is a plan that sets a new standard of environmental performance for the global apparel and footwear industry. It includes specific commitments and timelines to realize this shared goal.

The current Signatory Members welcome additional members and look forward to continuing to receive the support from all stakeholders and constituencies as needed for the Joint Roadmap to be successful. Signatories of the Joint Roadmap are the owners and managers of it.

Ensuring transparency, the group of brands will report regularly and publicly the progress of Joint Roadmap timeline (annually from 2013-2020). Additional information and news coming from the activities under this ZDHC Programme will also be communicated through this website: <http://www.roadmaptozero.com>

Golden Technology is committed to produce any unnecessary environmental damage in the textile industry, people and the communities that surround it.

To support the goal "Towards Zero" in the discharge of hazardous chemicals, Golden Technology has developed a list of dyes and chemicals that do not contain any of these priority groups of chemicals, and therefore can be used to provide textiles for companies that follow this orientation.

The 11 priority groups of chemicals are:

- APEOs / NPEOs
- Azo dyes [1]
- Brominated and chlorinated flame retardants
- Chlorinated solvents
- Chlorobenzenes
- Chlorophenols
- Heavy metals [cadmium, lead, mercury, chromium (VI)]
- Organotin compounds, e.g. TBT (tributyltin)
- Phthalates (ortho-phthalates)
- Perfluorinated chemicals (PFCs)
- Short-chained chlorinated paraffins (SCCP)

[1] Those Azo dyes that may release carcinogenic amines as defined in Annex XVII of REACH

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For oil, water and stain repellent finishing products, under trade name GOLDGUARD, these products contain perfluorinated chemicals as active ingredients.

Our products based on fluorochemicals contained in this list do not use or are made with PFOA in the manufacturing process. However, PFOA is an involuntary sub-product reaction which is present in low concentrations in some of these products. As part of our overall commitment to product management, since 2012, Golden Technology is selling these products and removes traces of PFOA and PFOA direct precursors in our products.

Our objective is to have only textile products that presents PFOA contents below LOQ (limit of quantification), which is defined as 2 ppm (Parts per Million) according to a peer-reviewed, published method [The Journal of Chromatographic Science - JCS 2006, 110 (1-2), 117-124)].

Our GOLDGUARD products listed in this document are based on shortchain chemistry that cannot break down the PFOA and provide a step-change reduction in trace impurities below the limit of detection.

We also have GOLDGUARD additives line 100% free of FC (fluorocarbons), such as: GOLDGUARD BOOSTER.

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PRETREATMENT / DYEING

GOLDCOM INP	GOLDSPERSE MCF
GOLDCOM TA	GOLDSPERSE NG
GOLDFOAM BOM	GOLDSPERSE UG
GOLDLUB AQS	GOLDSTAB OX
GOLDLUB LM	GOLDZIMA DAS
GOLDMUL BV	GOLDFAST AK
GOLDPAL BSJ	GOLDSOLT DSP
GOLDPAL ESL	GOLDPAL TQE M
GOLDPAL LUB	GOLDFIX DI CONC.
GOLDPAL NRA	GOWHITE PRO
GOLDWET RB	GOCLEAN SYN
GOLDGAL ALC	GOLDWET AOL
GOLDPAL DE EA	GOLDFIX NYN NEW
GOLDPAL TMZ	GOLDFAST CLP
GODYE PA ZERO	GODYE PA ONE
GODYE PA TWO	

DYEING / CLEANING

GOLDGEN PES CONC.	GOLDGEN ABP
GOLDGEN PES	GOLDWASH HR
GOLDGEN RM	GOLDACID SACA CONC.
GOLDMUL BV	GOLDFOAM BOM
GOLDGEN PA	GOLDSPERSE MCF
GOLDRED EKO	GOLDWET AOL
GOLDPUR RXF	

DYE CLEAN®

GOLDPAL CO EA	GOLDLUB AR EA
GOLDLUB AQS	GOLDCLEAR CH-EA
GOLDSPERSE CM-EA	

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OPTICAL BRIGHTNERS

GOLDBLANC BHA	GOLDBLANC PABX
GOLDBLANC BHB	GOLDBLANC PAVX
GOLDBLANC BHV	GOBLANC BMVE
GOLDPRET DS	GOBLANC BMAE
GOBLANC ENG2B	GOBLANC ENG2V

DYESTUFF

AMARELO BG-4G	LARANJA BG-2R
AZUL BG-2G	MARINHO BG-SB
AZUL DC-2G	PRETO BG-WN
AZUL TURQUESA BG-SG CONC.	SUPER BLACK PRINT CEL-R
AZUL BG-R CONC	VERMELHO BG-3B
AMARELO GOLDFLASH N 50/50	PRETO INTENSO 2R
OURO GOLDFLASH N 50/50	CRIMSON DC-R
AZUL R GOLDFLASH N 50/50	TURQUESA GOLDFLASH N 67/33
AMARELO BRILHANTE GOLDFLASH N 50/50	RUBI GOLDFLASH AL 50/50
TURQUESA GOLDFLASH N 50/50	PRETO GOLDFLASH AL 35
AMARELO CATIONICO GL EC 250%	AMARELO BG-R CONC
VERMELHO CATIONICO GRL 250%	AZUL CATIONICO GR 250%
AMARELO FLUORESCENTE CATIONICO 10GFF 300%	VERMELHO FLUORESCENTE CATIONICO X-SGN 250%
MARINHO CATIONICO RN 250%	AZUL CATIONICO X-GRL
AMARELO CATIONICO X-GL	VERMELHO CATIONICO X-GRL
PRETO CATIONICO NS	AMARELO OCTAMINE FT-N5K
AMARELO OCTAMINE FT-R	AZUL OCTAMINE FT-SNGA
AZUL OCTAMINE FT-C2H	LARANJA OCTAMINE FT-GG
MARINHO OCTAMINE FT-DKPN	VERDE OCTAMINE FT-M2C
VERMELHO OCTAMINE FT-CAPS	VERMELHO OCTAMINE FT-JPCK
VERMELHO OCTAMINE FT-Z5K	VERMELHO VIOLETA OCTAMINE FT-J4F
VIOLETA OCTAMINE FT-H4K	ICHO SALT BORDEAUX GP
ICHO SALT ORANGE RD MQ	ICHO SALT RED 3GL
ICHOTHOL AS-CA20	

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TEXTILE EFFECTS

GOLDEN EASY CARE HFF	GOLDGUARD BOOSTER
GOCOAT NI	GOFASTDRY PES
GOFRESH AFB	HEIQ EFFECT UVP
HEIQ EFFECT RAY	R-ESSENTIAL 260 LOVELY LAVENDER
MIKRACAT B	MIKRAFIX

FINISHING

GOLDSOFT COB	GOLDPRET DS
GOLDSOFT WB	GOLDPRET EGN
GOLDSOFT CNI	GOLDFINISH AF
GOLDSOFT CLN	GOLDFINISH IMP
GOLDSOFT HID	GOLDWET RB
GOLDSOFT MIC	GOLDLUB FI 50%
GOLDSOFT HH	GOLDPAL LUB
GOLDZIMA BPC	GOLDSOFT NSC
GOLDSOFT CP	GOLDWET AOL

PRINTING

GOLDCRYL ECP	GOLDSOFT COB
GOLDCOAT MT-AM	GOLDPERSE MCF
GOLDMUL BV	GOLDWASH EC
NAT TAM	GOLDCRYL GLP
GOLDPRINT NY	GOLDCRYL MT-AM
GOLDPRINT BRJ	GOLDPRINT WET