



M. Dohmen GmbH · Robert-Bosch-Str.2 · 41352 Korschenbroich

M. Dohmen commitment to the Zero Discharge of Hazardous Chemicals Manufacturing Restricted Substance (H&M 2016)

In the Zero Discharge of Hazardous Chemicals (ZDHC) Joint Roadmap, Version 2, ZDHC member brands are committed to define and develop a Manufacturing Restricted Substances List (MRSL) for the apparel and footwear industry. The ZDHC MRSL addresses hazardous substances potentially used and discharged into the environment during manufacturing and related processes, not just those substances that could be present in finished products.

The ZDHC MRSL is a list of chemical substances subject to a usage ban, meaning that the MRSL-listed chemical substance or group of substances may not be used to achieve a desired function or effect during production of the raw material or product (that is, no intentional use). Due to the existence of manufacturing impurities in chemical formulations, a minor or trace amount of the restricted substance is permitted within defined concentration limits. Chemical formulations containing restricted substances that exceed these limits are not compliant with the MRSL.

Restricted substances and groups of substances according to MRSL of ZDHC (details on chemicals and individual limits see MRSL) are:

- Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)
- Chlorobenzenes & Chlorotoluenes
- Chlorophenols
- Dyes – Azo (Forming Restricted Amines)
- Dyes – Navy Blue Colorant
- Dyes – Carcinogenic or Equivalent Concern
- Dyes – Disperse (Sensitizing)
- Flame Retardants
- Glycols
- Halogenated Solvents
- Organotin Compounds
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Perfluorinated and Polyfluorinated Chemicals (PFCs)
- Phthalates – including all other esters of ortho-phthalic acid
- Total Heavy Metals
- Volatile Organic Compounds (VOC)

Please be advised that based on the information available to us from our raw material suppliers the current products offered in the product lines listed below do not contain any of the substances or group of substances (i) as intentionally added raw materials or (ii) as impurities above the limit specified in the MRSL¹ (current version: January 2016) of ZDHC. To the best of our knowledge, none of these substances are intentionally generated during production.

¹ <http://www.roadmaptozero.com/programme-documents.php>



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Lumacron S dyes

2104271 Yellow S4G	2106971 Yellow S6GL 200%	2101371 Yellow S5G
2103966 Yellow STWD	2102783 Orange SC 150%	2114751 Orange SRF 200%
2111671 Orange SF	2112466 Orange SF liq.	2127571 Scarlet SGH 150%
2127051 Scarlet SLK	2123095 Pink SRL 200%	2132294 Red SNB 150%
2135083 Red SFRL 150%	2133545 Red S2B	2135151 Red SCBN
2139371 Red SBL 200%	2134166 Red SR	2136451 Red S3BS 150%
2126766 Rubine S3B 50% liq.	2130166 Rubine SGFLD	2134984 Rubine SGFL
2135984 Rubine SGL 250%	2135583 Rubine SBSF 200%	2144795 Tq. Blue SGL
2143351 Brill. Blue SBG 200%	2140651 Tq. Blue SBGF 200%	2145795 Tq. Blue SBGF 100% liq.
2151171 Brill. Blue SR 200%	2144645 Blue SBGL 200%	2141245 Blue SBGL 50% liq.
2148771 Blue SBBL 200%	2140395 Blue S3RT	2152772 Blue SCR 200%
2151271 Blue S2G	2140866 Dark Blue SLFN	2158771 Navy S2GLL 220%
2170671 Brown SGSF	2171866 Brown SLSE	2185866 Black S2BL 200%
2197766 Black SKLE		

Lumacron SE dyes

2106395 Yellow SE5G	2106166 Yellow SEFN	2102295 Yellow SE3G 200%
2127171 Scarlet SEGS 200%	2132166 Red SE4G 150%	2137971 Red SEBS 200%
2125471 Rubine SECB	2125251 Rubine SECBD	2148871 Blue SERL 200%
2149966 Blue SESN	2156971 Navy SEF 300%	2195051 Black SEF 300% new
2199545 Black SECCR	2195971 Black SECCR liq.	



Lumacron E dyes

2100184 Yellow E3G 200%

2127271 Scarlet E2R 150%

2138871 Red EGA 100%

2146273 Blue EFBL

2180766 Black ELT

2104571 Yellow ERD

2138071 Red ERD

2129071 Bordeaux EBL 200%

2143251 Blue EFBL 150%

2112151 Orange E3R

2132945 Red EFB 200%

2140071 Blue ERD

2156066 Navy Blue ELS

Lumacron Z dyes

5902766 Yellow SEFNZ

5913371 Orange SFZ

5927866 Rubine SECBDZ liq.

5934771 Red SCBNZ

5934866 Red S2BZ

5943294 Blue SBGLZ 200%

5974266 Brown SLSZE 40% liq.

5989071 Black SKLZE liq.

5901266 Yellow SEFNZ liq.

5913171 Orange SCZ 150%

5935094 Red SNBZ 150%

5931166 Red SCBNZ liq.

5943371 Blue SBBLZ 200%

5941266 Blue SBGLZ 50% liq.

5952686 Navy Blue S2GLLZ 220%

5900566 Yellow S6GLZ 80% liq.

5912966 Orange SCZ 75% liq.

5934966 Red SBLZ 80% liq.

5935371 Red S3BSZ 150%

5942166 Blue SBBLZ 80% liq.

5949266 Turquoise SGLZ liq.

5953366 Navy Blue S2GLLZ 110% liq.



Dorospers EC dyes

2103466 Yellow EC

2115366 Yellow Brown EC

2130771 Red EC

2126666 Rubine EC

2147866 Blue EC 50 %

2158566 Navy EC

Dorospers XLD & XLDZ dyes

2106295 Yellow XLD

2107351 Yellow Brown XLD

2107666 Yellow Brown XLD liq.

2108166 Golden Yellow XLDE

2139851 Red XLD

2125966 Crimson XLD new

2131377 Red XLBS

2139295 Rubine XLD

2123966 Violet XLD

2154295 Blue XLD

2142271 Turquoise Blue XLDH

2155595 Navy Blue XLD

2180866 Black XLDF

2185766 Black XLDF liq.

2189466 Black XLDN

2185966 Black XLWK

5900466 Yellow XLDZ

5908266 Yellow Brown XLDZ

5927071 Rubine XLDZ

5935466 Red XLDZ

5941066 Blue XLDZ

5955066 Navy Blue XLDZ

5955166 Navy Blue XLDZ liq.

5987271 Black XLDFZ

Dorospers Luminous dyes

2100151 Luminous Yellow 10DG 2131895 Luminous Red DG

2130895 Luminous Red DB

5900251 Luminous Yellow 10DGZ 5930294 Luminous Red DBZ

5930051 Luminous Red DGZ



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Lumacel Eco & Eco HF dyes

2101884 Yellow WD	2111184 Orange 2RF	2125871 Rubine 3B
2123771 Heliotrope R	2101972 Yellow H7G 200%	2102966 Yellow HSF
2101766 Golden Yellow HBRA	2111266 Orange HSF	2128471 Scarlet HSF
2136666 Red HEF 200%	2130595 Red HCA	2136366 Brill. Red HBGF 150%
2126166 Crimson HSF	2145295 Blue HCA	2140266 Blue HSF
2155466 Navy Blue HSF	2183595 Black HGFG	2184195 Black HGFG liq.
2193866 Black HSF	2187166 Black HSF liq.	

Dorolan A dyes

2802051 Brill. Yellow AGG	2201866 Yellow A2RG	2232566 Red ABL 150%
2232466 Red ASCA	2246066 Blue AGLD 200 %	2260472 Brill. Green AG
2282366 Grey AGL	2285166 Grey ABF	

Dorolan E dyes

2202366 Yellow EGG	2202766 Yellow E2R	2200666 Yellow E2RU
2210966 Orange ER	2230866 Red EG	2233966 Red EGU
2230766 Red E2B	2220666 Violet EB 50%	2221266 Bordeaux EB
2221566 Bordeaux EBU	2241666 Blue EGG	2241751 Blue E2R
2242494 Blue E2NR	2246166 Blue E2RU	2241266 Navy Blue ER
2250766 Navy Blue ERU	2260566 Green EBL	2271466 Brown EB
2271966 Brown EBU	2271366 Brown EG	2283866 Grey EG
2290066 Grey EGU	2283766 Black EB	2280166 Black EBG
2281266 Black EBU		



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Dorolan dyes

2200163 Yellow 4R conc.	2203651 Yellow RTU	2220364 Bordeaux GRL
2220951 Bordeaux 3R conc.	2246066 Blue AGLD 200 %	2280264 Grey BLS conc.
2203764 Yellow S2G	2230472 Red SBRL	2231064 Red SG
2230351 Red SRL	2220864 Bordeaux SB	2240272 Navy Blue DBL
2256166 Navy Blue DBL 150%	2246864 Navy Blue SG 150%	2263266 Olive SG
2271063 Brown SGR 150%	2274094 Dark Brown SGL	2282266 Grey SB
2281972 Black BGL 200%	2281463 Black BGLC 200%	
2200363 Yellow 3R	2230972 Red 2BR	
2282172 Black RB 200%	2281872 Black RB liq.	

Dorolan M dyes

2201995 Brill. Yellow M5GL	2201195 Yellow M2GLN	2201244 Yellow MGNWS
2201595 Yellow M3RL	2200595 Yellow M5RL	2200395 Yellow M5RL liq.
2210195 Orange MRL	2222895 Scarlet ML	2222295 Scarlet ML liq.
2230595 Red MBR	2220095 Bordeaux MB	2221172 Bordeaux MB liq.
2241095 Brill. Blue M5G	2241895 Navy Blue MRBL	2250095 Dark Blue MTR
2242195 Dark Blue MTR liq.	2260695 Green MFGL	2260395 Olive MBGL
2271695 Brown MBL	2271895 Brown MBL liq.	2283295 Grey MG
2280795 Black MSRL 78	2282495 Black MSRL	2286166 Black MRX
2281195 Black MSRL liq.	2282695 Black MSRLS liq.	2287066 Black MSRLN 50% liq.
2282895 Black MSGL	2281595 Black MCC	2283066 Black MGN liq.



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Dorasyn A & C dyes

2800472 Yellow A4R 150%	2803551 Yellow A3R 200%	
2833566 Red AFB 200%	2830472 Red A2B 100%	2835466 Red A2B 200%
2833766 Red AAT	2830966 Rubine AGP	2850395 Blue A2R 200%
2850495 Blue AG	2843794 Blue A4R 200%	2853463 Blue A2G 200%
2844451 Blue ABRT		
2800995 Yellow C5GL	2801095 Yellow C3GL	2801163 Yellow C4RN
2810195 Orange CG	2810763 Orange CSLF	2802595 Flavine C7G
2822068 Scarlet CBR	2831395 Brill. Red CGL	2831451 Brill. Red C2R
2834051 Red CBL	2833480 Red CGS	2834868 Brill. Red C3B conc.
2831695 Red C2B	2831795 Red C8B 225%	2821595 Violet CB 180%
2841451 Blue C4RNL	2841866 Blue CRN	2840151 Blue CBN 180 %
2845666 Blue CFBL	2850695 Turquoise C3GN	2860295 Green C3G 200%
2860495 Green CG	2851495 Navy Blue C2RN 150%	
2881695 Black C2RN	2881266 Black CMF	

Dorasyn XL dyes

2803066 Flavine XL7G	2800651 Brill. Yellow XLG	2800866 Yellow XLR
2811151 Orange XLP	2830266 Red XL2B	2834166 Red XLBL 75%
2834966 Brill. Red XLNG	2835666 Red XLRS new	2808266 Red Brown XLB
2835066 Bordeaux XLB	2821666 Violet XLV	2841745 Blue XLK
2844266 Brill. Blue XLBR	2860551 Green XLBS	2861766 Green XLGF
2852966 Navy Blue XLM	2882266 Black XLSN	2887166 Black DXL
2283166 Dorolan Black EBUXL		



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Doractiv W & WX dyes

2205766 Yellow WXE	2205666 Yellow WX4G	2212966 Orange WXRG
2222966 Scarlet WX3G	2232366 Red WXGN	2231666 Red WXE
2235066 Red WXB	2231866 Red WX6G	2243766 Blue WXE
2244166 Blue WX3G	2244266 Blue WX3R	2240644 Blue WX8G
2256366 Navy Blue WXCE	2284077 Black WXCE	2284366 Black WXPV
2284166 Black WG		

Doracid dyes

2802195 Yellow R 200%	2832695 Red 2B	2870495 Red Brown V
2804094 Yellow EGR	2832595 Red E2G	
2842095 Blue SBL 150%	2854795 Cyanine G	
2853072 Navy Blue C	2881795 Black BN 200%	

Doracryl dyes

2401695 Flavine X10G 600%	2400383 Yellow X8GLS 200%	2400583 Golden Yellow XGFLS 200%
2401083 Yellow XGRL 200%	2401795 Golden Yellow XGFLS 200% liq.	2430183 Red XGGS 200%
2430683 Red XGRLS 200%	2431295 Red XGRLS liq.	2432195 Brill. Red XG liq.
2433095 Brill. Red X4GS 300%	2433195 Brill. Red X4GS 200% liq.	2431995 Brill. Red XBG
2440183 Blue X3GLS 300%	2441695 Blue X3GLS 200% liq.	2442051 Blue XFGRL 200%
2445295 Blue Green X5GS 200%	2482266 Black FBL 200%	2481595 Black XBLNS liq.
2410483 Orange R 400 %	2432751 Red GL 100 %	2440783 Blue GL 300 %
2431663 Red YCN	2445351 Blue NCN li	

