

**TEXTILE
SOLUTIONS.**

**INDUSTRY
SOLUTIONS.**

**SCIENCE & SERVICE
SOLUTIONS.**

CHT
SMART CHEMISTRY
WITH CHARACTER.

RECOMMENDATION LIST LIDL

Edition May 8th, 2017

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INTRODUCTION

The LIDL – Manufacturing Restricted Substances List (MRSL) for apparel and hometextiles is a list of chemical substances subject to a usage ban, meaning that the MRSL-listed chemical substances 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.

Additional to the restrictions defined by the LIDL – MRSL, the CHT R. Beitlich GmbH and BEZEMA AG published this LIDL - Recommendation list, containing products, which are also compliant with the LIDL - Restricted Substances List (RSL) for apparel and hometextiles.

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 exceed the limits of the LIDL - Restricted Substances List (RSL) for apparel and hometextiles. To the best of our knowledge, none of these substances are intentionally generated during production.

This list currently does not cover the complete portfolio of the CHT/BEZEMA Group worldwide but will be updated permanently or whenever the demands are changing or the product range is being expanded.

This confirmation is only valid for the LIDL – Manufacturing Restricted Substances List (MRSL) for apparel and hometextiles and LIDL - Restricted Substances List (RSL) for apparel and hometextiles: Version 2.0. / 05/05/2016 (Appendix 9, Manual for suppliers: Chemical Restrictions for supply chain of apparel, hometextiles and footwear for LIDL private labels).

If you have any questions concerning the application and further technical details, please contact

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DISCLAIMER:

This document is in addition to, but not replacing, the information on the Material Safety Data Sheet (MSDS) and the Technical Leaflet (TL). Please read the MSDS and the TL of the product in order to comply with legal requirements and the LIDL – MRSL and LIDL - RSL. The TL informs about the CHT / BEZEMA recommendations for proper application.

Any user of our products is responsible for determining the suitability of CHT / BEZEMA products for its particular application.

PRETREATMENT

2.1 ENZYMES

BEISOL AFG
BEISOL PRO

BEISOL HTS
BEISOL SED

BEISOL LZV
BEISOL T 2090

2.2 SOURCING AUXILIARIES

SUBITOL AS 6

SUBITOL ASN

2.3 MERCERISING AND CAUSTICISING AGENT

SUBITOL MLF

2.4 SEQUESTRANTS

BEIXON NE
HEPTOL ESW ^{a)}

HEPTOL B 81 200%
HEPTOL KEB

HEPTOL EMG ^{a)}
HEPTOL NWS

2.5 WETTING AGENTS

SUBITOL LS-N
SUBITOL SB

SUBITOL RNC

SUBITOL SAN

2.6 WASHING AGENTS

FELOSAN ELA
FELOSAN JET
FELOSAN NKB
FELOSAN RG-N
LAVOTAN SE

FELOSAN FDO NEU
FELOSAN NFG
FELOSAN NOF
FELOSAN RIZ
LAVOTAN TBU

FELOSAN FOX
FELOSAN NSP
FELOSAN RNF
LAVOTAN DSU

2.7 STABILIZERS

CONTAVAN BRT
CONTAVAN ICE
CONTAVAN VAN

CONTAVAN DSA
CONTAVAN TIG
HEPTOL B 95

CONTAVAN GAL
CONTAVAN TIM
VISCAMIN GFN

a) Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.

PRETREATMENT

2.8 OPTICAL BRIGHTENERS

TUBOBLANC 2 B CONC
TUBOBLANC BL
TUBOBLANC ERN
TUBOBLANC HA-PD
TUBOBLANC MA
TUBOBLANC PT-O
TUBOBLANC CRL-S3

TUBOBLANC COL
TUBOBLANC DIK
TUBOBLANC HA
TUBOBLANC HA-S4
TUBOBLANC PE-R
TUBOBLANC RBV

TUBOBLANC CRL
TUBOBLANC EBF
TUBOBLANC HA-D3
TUBOBLANC HV
TUBOBLANC PT-B
TUBOBLANC RUB

2.9 pH-BUFFERS

CHT-PUFFER FBA
NEUTRACID PAT

NEUTRACID NCS
NEUTRACID WSG

NEUTRACID NVM 200

2.10 ANTIFOAMS AND DEAERATING AGENTS

KOLLASOL AD
KOLLASOL CDS
KOLLASOL K22
KOLLASOL SD

KOLLASOL CDA
KOLLASOL HV
KOLLASOL LOK

KOLLASOL CDO
KOLLASOL IND
KOLLASOL OCE

2.11 OTHER AUXILIARIES

CHT-AKTIVATOR FBA
TUBOSET LVI
TUBOSET SML

FLUOREX DEL
TUBOSET PAP
TUBOTEX NCD

TUBOSET DAP
TUBOSET SAM
TUBOTEX OW

DYEING AUXILIARIES

3.1 LEVELLING AGENTS FOR CEL

RETINOL M
SARABID SBF-N

SARABID LDR ^{a)}
SARABID VAT ^{a)}

SARABID MIP ^{a)}
SARABID C 12 ^{a)}

3.2 LEVELLING AGENTS & DYEING ACCELERATORS FOR SYNTHETIC FIBRES

ACRYPAL OE
EGASOL MD
SARABID IPM
TUBACRYL RI

CHT-DISPERGATOR XHT
SARABID IPD
SARABID TS 300
SARABID C 12 ^{a)}

CHT-DISPERGATOR XHT-S
SARABID IPF
SARAPOL DLN
SARABID C 14 ^{a)}

3.3 CREASE PREVENTION AGENTS

BIAVIN 109
BIAVIN PCV

BIAVIN BPA
BIAVIN TCC

BIAVIN DFG
VISCAVIN S 700

3.4 pH-REGULATORS AND BUFFERS

BEICONTROL RD
MEROPAN KP
Si-CONTROL KKV

MEROPAN CIT ^{a)}
MEROPAN LS

MEROPAN EF 200
NEUTRACID BO 45

3.5 AFTERSOAPING AGENTS

COTOBLANC KRS
COTOBLANC RS

COTOBLANC NSR
COTOBLANC SEL

COTOBLANC PCS
COTOBLANC SEL 200

3.6 ENZYMES

BEIZYM ACE
BEIZYM HC

BEIZYM BPN
BEIZYM UL

BEIZYM BPN 300

3.7 FASTNESS IMPROVEMENT

REWIN ACP
REWIN DWR
REWIN KTE ^{a)}
REWIN OS

REWIN DD
REWIN FSN
REWIN KTE-D ^{a)}

REWIN DMT
REWIN IN 35
REWIN MRT

^{a)} Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.

DYEING AUXILIARIES

3.8 AFTERTREATMENT AND RESERVING AGENTS FOR PA

REWIN KBL REWIN KMB ^{a)}	REWIN KF ^{a)} REWIN KNR ^{a)}	REWIN KHT ^{a)}
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3.9 AUXILIARIES FOR PADDING AND CONTINUOUS DYEING

COLORCONTIN BDF COLORCONTIN MCD	COLORCONTIN VGP	MIGRASOL SAP
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3.10 OXIDIZING AND REDUCING AGENTS

MEROPAN RED ^{a)} REDULIT GIN	MEROPAN XR GRANULAT REDULIT RED ^{a)}	REDULIT F
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3.11 PEROXIDE DESTRUCTORS

CHT-CATALASE BF	MEROPAN BRE
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3.12 SEQUESTRANTS AND DISPERSING AGENTS

BEIXON AB 200% CHT-DISPERGATOR SMS ^{a)} MEROPAN DA SARABID 200 LL	BEIXON BCA HEPTOL ANO MEROPAN DA 200 SARABID DLO CONC	CHT-DISPERGATOR ORM ^{a)} HEPTOL SF4 MEROPAN DPE
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3.13 OTHER DYEING AUXILIARIES

ARRISTAN BINDER CA ^{b)}	REWIN LAN	SILKOBLANC BN
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3.14 CLEANING AGENT FOR MACHINES

INTENSOL MR	INTENSOL OLI
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a) Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.

b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

4.1 BEZAKTIV S-MAX AND BEZAKTIV S-MATRIX 150

BEZAKTIV Yellow S-MAX	BEZAKTIV Yellow S-MATRIX 150	BEZAKTIV Orange S-MAX
BEZAKTIV Red S-MAX	BEZAKTIV Red S-MATRIX 150	BEZAKTIV Rubine S-MAX-01
BEZAKTIV Blue S-MAX	BEZAKTIV Navy S-MAX	BEZAKTIV Black S-MAX
BEZAKTIV Cosmos S-MAX		

4.2 BEZAKTIV COSMOS S-C

BEZAKTIV Cosmos Yellow S-C	BEZAKTIV Cosmos Golden Yellow S-C
BEZAKTIV Cosmos Orange S-C	BEZAKTIV Cosmos Red S-C
BEZAKTIV Cosmos Blue S-C	BEZAKTIV Cosmos Navy S-C
BEZAKTIV Cosmos Gold S-C	BEZAKTIV Cosmos Carmine S-C

4.3 BEZAKTIV GO

BEZAKTIV Golden Yellow GO	BEZAKTIV Orange GO	BEZAKTIV Scarlet GO
BEZAKTIV Red GO	BEZAKTIV Navy GO	BEZAKTIV Black GO
BEZAKTIV Velvet Black GO		

4.4 BEZAKTIV HP

BEZAKTIV Yellow HP-NP	BEZAKTIV Red HP-3B	BEZAKTIV Red HP-BL
BEZAKTIV Brown HP-5R		

4.5 BEZAKTIV V

BEZAKTIV Yellow V-5GL	BEZAKTIV Yellow V-GL 150	BEZAKTIV Yellow V-FGA
BEZAKTIV Yellow V-GR 133	BEZAKTIV Yellow V-R	BEZAKTIV Yellow V-2R 150
BEZAKTIV Red V-GG	BEZAKTIV Red V-BB 150	BEZAKTIV Red V-BT 200
BEZAKTIV Red V-RB 133	BEZAKTIV Red V-5B	BEZAKTIV Red V-F3B
BEZAKTIV Blue V-R spec.	BEZAKTIV Blue V-RN spec.	BEZAKTIV Blue V-RN 150
BEZAKTIV Navy V-2G 133	BEZAKTIV Black V-B 150	BEZAKTIV Black V-BD 133
BEZAKTIV Black V-GRA	BEZAKTIV Black V-CMR	BEZAKTIV Black V-RSD 75 liq.

4.6 BEZAKTIV S

BEZAKTIV Yellow S-8G
BEZAKTIV Orange S-RL 150
BEZAKTIV Red S-2B
BEZAKTIV Blue S-2G
BEZAKTIV Navy S-3G 150
BEZAKTIV Black S-GR
BEZAKTIV Black S-TAR
BEZAKTIV Black S-WF

BEZAKTIV Yellow S-8GN
BEZAKTIV Scarlet S-2GF 150
BEZAKTIV Red S-3B 150
BEZAKTIV Navy S-2GL
BEZAKTIV Navy S-G
BEZAKTIV Green S-4B 150
BEZAKTIV Black S-NN liq.

BEZAKTIV Yellow S-3R 150
BEZAKTIV Red S-GT 150
BEZAKTIV Blue S-GN 150
BEZAKTIV Royal S-B
BEZAKTIV Navy S-BL
BEZAKTIV Brown S-5BR
BEZAKTIV Black S-NN fl.

4.7 BEZAKTIV HE-MATRIX

BEZAKTIV Yellow HE-MATRIX

BEZAKTIV Red HE-MATRIX

BEZAKTIV Navy HE-MATRIX

4.8 BEZAKTIV HE

BEZAKTIV Yellow HE-6G
BEZAKTIV Orange HE-R
BEZAKTIV Red HE-7B

BEZAKTIV Yellow HE-4G
BEZAKTIV Scarlet HE-2G
BEZAKTIV Blue HE-GX 145

BEZAKTIV Yellow HE-4R
BEZAKTIV Red HE-3B
BEZAKTIV Navy HE-R 120

4.9 BEZAKTIV GF

BEZAKTIV Yellow GF-6G
BEZAKTIV Red GF-4B
BEZAKTIV Blue GF-N

BEZAKTIV Yellow GF-RR
BEZAKTIV Red GF-BR

BEZAKTIV Orange GF-2G
BEZAKTIV Blue GF-GG

4.10 BEZAKTIV P

BEZAKTIV Yellow P-6G
BEZAKTIV Yellow P-A
BEZAKTIV Orange P-4R
BEZAKTIV Red P-B
BEZAKTIV Blue P-3R
BEZAKTIV Black P-R

BEZAKTIV Yellow P-5G
BEZAKTIV Golden Yellow P-R
BEZAKTIV Orange P-XR
BEZAKTIV Red P-8BN
BEZAKTIV Blue P-XR

BEZAKTIV Yellow P-4GD 125
BEZAKTIV Orange P-2R
BEZAKTIV Scarlet P-R
BEZAKTIV Blue P-BR
BEZAKTIV Navy P-2R

5.1 BEZATHREN

BEZATHREN Yellow 5GF	BEZATHREN Yellow GC	BEZATHREN Yellow F3GC
BEZATHREN Yellow 3RT	BEZATHREN Golden Yellow RK	BEZATHREN Golden Orange 3G
BEZATHREN Golden Orange G	BEZATHREN Orange RRTS	BEZATHREN Orange GR
BEZATHREN Red LGG	BEZATHREN Red LGN	BEZATHREN Scarlet GG
BEZATHREN Scarlet EFR	BEZATHREN Red FBB	BEZATHREN Red F3B
BEZATHREN Bordeaux RR	BEZATHREN Rubine R	BEZATHREN Violet 3B
BEZATHREN Violet B	BEZATHREN Blue RCL	BEZATHREN Blue RS
BEZATHREN Blue BC	BEZATHREN Blue CLF	BEZATHREN Dark Blue BOA
BEZATHREN Dark Blue DB	BEZATHREN Navy GN	BEZATHREN Green CF
BEZATHREN Green FFB	BEZATHREN Olive Green B	BEZATHREN Olive Green MW
BEZATHREN Brown LBG	BEZATHREN Brown G	BEZATHREN Brown R
BEZATHREN Brown BR	BEZATHREN Brown HRR	BEZATHREN Olive R
BEZATHREN Olive T	BEZATHREN Grey RBN	BEZATHREN Grey CL
BEZATHREN Grey CB	BEZATHREN Grey MIR	BEZATHREN Grey NC
BEZATHREN Black RB	BEZATHREN Black R	BEZATHREN Black RI
BEZATHREN Black BB		

DISPERSE DYES

6.1 DISPERSE DYES FOR PES FIBRES

6.1.1 BEMACRON HP-LTD / BEMACRON HP

BEMACRON Yellow HP-LTD 01	BEMACRON Orange HP-LTD 01	BEMACRON Red HP-LTD 01
BEMACRON Rubine HP-LTD 01	BEMACRON Blue HP-LTD	BEMACRON Black HP-LTD
BEMACRON Citron HP-2G	BEMACRON Yellow HP-G	BEMACRON Yellow HP-2R
BEMACRON Orange HP-3B	BEMACRON Carmine HP-2G	BEMACRON Red HP-B
BEMACRON Red HP-BS	BEMACRON Red HP-2BL	BEMACRON Red HP-RT
BEMACRON Rubine HP-3B	BEMACRON Cyan HP-G	BEMACRON Blue HP-3R
BEMACRON Navy HP-RT	BEMACRON Black HP-RT	
BEMACRON Dark Blue HP-LTD 01		

6.1.2 BEMACRON SEL

BEMACRON Luminous Yellow SEL-EN	BEMACRON Luminous Yellow SEL-8G
BEMACRON Luminous Orange SEL-EN	BEMACRON Luminous Red SEL-G
BEMACRON Luminous Red SEL-4B	

6.1.3 BEMACRON RS / BEMACRON S / BEMACRON SE

BEMACRON Yellow RS	BEMACRON Red RS	BEMACRON Rubine RS
BEMACRON Blue RS	BEMACRON Navy RS	BEMACRON Black RS
BEMACRON Yellow S-6GF	BEMACRON Yellow S-4G	BEMACRON Orange S-G
BEMACRON Scarlet S-GFL	BEMACRON Scarlet S-BWFL	BEMACRON Rubine S-2GFL
BEMACRON Violet S-3RL	BEMACRON Violet S-BLF	BEMACRON Blue S-BGL
BEMACRON Blue S-BB	BEMACRON Turquoise S-GF	BEMACRON Navy S-2GL
BEMACRON Navy S-3L	BEMACRON Black S-3L	BEMACRON Black S-TL
BEMACRON Yellow SE-RDL	BEMACRON Yellow SE-LF	BEMACRON Red SE-4G
BEMACRON Pink SE-REL	BEMACRON Red SE-3B	BEMACRON Red SE-RDL
BEMACRON Blue SE-LF	BEMACRON Blue SE-RDL	BEMACRON Black SE-RD2R
BEMACRON Golden Orange RS	BEMACRON Yellow Brown S-2RFL	

6.1.4 BEMACRON E

BEMACRON Yellow E-3GL	BEMACRON Red E-FBL	BEMACRON Blue E-FBL
BEMACRON Black E-RD		

DISPERSE DYES

6.1.5 BEMACRON P

BEMACRON Yellow P-6G	BEMACRON Black P-NL liq.	BEMACRON Black P-G
BEMACRON Yellow P-4G	BEMACRON Grey P-N	BEMACRON Navy P-2G
BEMACRON Orange P-G	BEMACRON Scarlet P-4R	BEMACRON Pink P-R
BEMACRON Red P-4G	BEMACRON Red P-3B	BEMACRON Scarlet P-3G
BEMACRON Rubine P-2G	BEMACRON Red P-BBL	BEMACRON Violet P-3R
BEMACRON Turquoise P-BG	BEMACRON Blue P-BG	BEMACRON Blue P-R
BEMACRON Navy P-R	BEMACRON Blue P-BB	
BEMACRON Luminous Red P-G	BEMACRON Golden Yellow P-6M	
BEMACRON Luminous Yellow P-8G		

6.2 DISPERSE DYES FOR ACETAT FIBRES

6.2.1 BEMACRON CA

BEMACRON Yellow CA	BEMACRON Orange CA	BEMACRON Red CA
BEMACRON Blue CA	BEMACRON Navy CA	BEMACRON Black CA 01

REACTIVE DYES FOR WOOL FIBRES

7.1 BEZAKTIV WO

BEZAKTIV Yellow WO-4G
BEZAKTIV Orange WO-R
BEZAKTIV Red WO-RS
BEZAKTIV Red WO-6G
BEZAKTIV Blue WO-DB
BEZAKTIV Navy WO-X

BEZAKTIV Yellow WO-5G
BEZAKTIV Scarlet WO-2G
BEZAKTIV Red WO-B
BEZAKTIV Blue WO-2R
BEZAKTIV Blue WO-3G
BEZAKTIV Black WO-RS

BEZAKTIV Yellow WO-4R
BEZAKTIV Red WO-5B
BEZAKTIV Red WO-BB
BEZAKTIV Blue WO-3R
BEZAKTIV Navy WO-BT
BEZAKTIV Black WO-X

ACID DYES FOR WOOL AND PA FIBRES

8.1 BEMACID E-TL / BEMACID E

BEMACID Red E-TL
BEMACID Yellow E-4G
BEMACID Yellow E-TL
BEMACID Red E-T2B
BEMACID Blue E-G

BEMACID Blue E-TL
BEMACID Yellow E-T3R
BEMACID Luminous Red E-B
BEMACID Red E-3BS
BEMACID Blue E-2R

BEMACID Luminous Yellow E-B
BEMACID Yellow E-5R
BEMACID Red E-KRL
BEMACID Blue E-T4R
BEMACID Blue E-3GC

8.2 BEMACID N-TF / BEMACID N

BEMACID Yellow N-TF
BEMACID Yellow N-2G
BEMACID Bordeaux N-BL
BEMACID Black N-TMF

BEMACID Red N-TF
BEMACID Orange N-BG
BEMACID Blue N-5GL

BEMACID Blue N-TF
BEMACID Rubine N-5B
BEMACID Navy N-5R

8.3 BEMACID F

BEMACID Yellow F-G
BEMACID Scarlet F-3G
BEMACID Red F-4B
BEMACID Blue F-2R
BEMACID Green F-2B

BEMACID Yellow F-RN
BEMACID Red F-GS
BEMACID Red F-LE
BEMACID Blue F-2G
BEMACID Green F-VS

BEMACID Orange F-GR
BEMACID Red F-B
BEMACID Violet F-B
BEMACID Blue F-BL

ACID DYES FOR WOOL AND PA FIBRES

8.4 BEMACID P

BEMACID Yellow P-FG
BEMACID Scarlet P-F3G
BEMACID Red P-F4B
BEMACID Blue P-F2G

BEMACID Yellow P-FRN
BEMACID Red P-FGS
BEMACID Violet P-FB
BEMACID Blue P-N5GL

BEMACID Orange P-FGR
BEMACID Red P-FLE
BEMACID Blue P-NTF
BEMACID Green P-F2B

DIRECT DYES FOR DYEING OF CELLULOSIC FIBRES

9.1 TUBANTIN

TUBANTIN Yellow 4GL
TUBANTIN Scarlet BNL 200
TUBANTIN Red BWS
TUBANTIN Blue GLL 300
TUBANTIN Dark Blue R
TUBANTIN Black VSF 600
TUBANTIN Black FR 900

TUBANTIN Yellow GR
TUBANTIN Scarlet 4B conc.
TUBANTIN Pink 2B
TUBANTIN Blue FGL
TUBANTIN Green 5GL conc.
TUBANTIN Black RD

TUBANTIN Orange GGLN 200
TUBANTIN Red F3B conc.
TUBANTIN Blue 3G
TUBANTIN Blue BRR h.c.
TUBANTIN Green BL h.c.
TUBANTIN Black RA

CATIONIC DYES FOR DYEING OF PAN FIBRES

10.1 BEZACRYL

BEZACRYL Flavine 10GFF
BEZACRYL Red GTL 200
BEZACRYL Blue GRL 300
BEZACRYL Black FBL 300

BEZACRYL Gold. Yellow GL 200
BEZACRYL Red GRL 180
BEZACRYL Blue FBS
BEZACRYL Black FDL 200

BEZACRYL Brilliant Red 4G
BEZACRYL Brilliant Violet 3RN
BEZACRYL Blue BG 200
BEZACRYL Yellow 5GL 300

FINISHING AUXILIARIES

11.1 SOFTENERS

POLYAVIN PEN
TUBINGAL RNJ

TUBINGAL 220
TUBINGAL RRW

TUBINGAL KRE

11.2 SILICONE SOFTENERS

ARRISTAN 64
ARRISTAN 71
TUBINGAL 3S
TUBINGAL FMH
TUBINGAL OHS

ARRISTAN 66
ARRISTAN 201
TUBINGAL 9270
TUBINGAL GSI
TUBINGAL RGH

ARRISTAN 66 CONC.
TUBINGAL 2270
TUBINGAL FAM
TUBINGAL ISP
TUBINGAL SMF

11.3 SILICONE COMPOUND SOFTENERS

TUBINGAL 2221 ^{a)}
TUBINGAL RGS
TUBINGAL RTC

TUBINGAL ACE
TUBINGAL RMG

TUBINGAL HWS
TUBINGAL RSK

11.4 SOFTENER CONCENTRATES

TUBINGAL 3030

TUBINGAL 4748

TUBINGAL 7023

11.5 EASY CARE FINISHING AGENTS AND CATALYSTS

CHT-KATALYSATOR ABT
REAKNITT BC ^{b)}
REAKNITT TIO ^{b)}

CHT-KATALYSATOR BFM
REAKNITT FF ^{b)}
REAKNITT WL ^{b)}

CHT-KATALYSATOR FS
REAKNITT MFA ^{b)}
REAKNITT ZF

11.6 HANDLE MODIFIER

ARRISTAN ACS ^{a)}
ARRISTAN GH ^{a)}

ARRISTAN CPU
ARRISTAN HM

ARRISTAN EPD
ARRISTAN RPD FL.

a) Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.

b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

FINISHING AUXILIARIES

11.7 SEWING THREAD LUBRICANTS

POLYAVIN 3000
POLYAVIN COLD
POLYAVIN UFP

POLYAVIN ANG 35
POLYAVIN HELP

POLYAVIN BOND ^{b)}
POLYAVIN HELP TEX

11.8 YARN LUBRICANTS

LUSTRAFFIN AS
LUSTRAFFIN LF CONC
LUSTRAFFIN SL

LUSTRAFFIN BA
LUSTRAFFIN SA 88

LUSTRAFFIN DBL
LUSTRAFFIN RTK

11.9 ANTISTATIC AGENTS

AVISTAT 3 P
AVISTAT GPA

AVISTAT AZ NEU

AVISTAT G 100

11.10 ANTIFOAMS

CHT-ENTSCHÄUMER K 50

CHT-ENTSCHÄUMER MI

11.11 OTHER FINISHING AGENTS

ARRISTAN AIR
FLEXOFIX A 30
iSys SOLAR+
NouWell SCA

ARRISTAN HPA
FLEXOFIX FL.
NouWell E
NouWell SPA

ARRISTAN HPC
iSys MTX
NouWell RLX
PESOFIX WM

b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

12.1 SPINNING LUBRICANTS FOR POLYESTER

DURON 1105 PE	DURON 14	DURON 7024
DURON AF 2170	DURON EF 1882	DURON EF 4044
DURON ES 3151	DURON ES 3165	DURON ES 3176
DURON ES 3184	DURON ES 3188	DURON FF 1995
DURON FF 2084	DURON FF 3185	DURON FF 3190
DURON K 3168	DURON NV 12	DURON NV 2
DURON NV 7	DURON X 730	

12.2 SPINNING LUBRICANTS FOR POLYOLEFINE FILAMENTS

DURON OF 1812/80	DURON OF 1851	DURON OF 2148
DURON OF 2168	DURON OF 2173	DURON OF 2196
DURON OF 2199	DURON OF 2202	DURON OF 3174
DURON OF 3196	DURON OF 3201	DURON OF 3206
DURON OF 4013	DURON TX 2080	

12.3 SPINNING LUBRICANTS FOR POLYOLEFINE STAPLE FIBRES

AVISTAT 3 P	DURON 1105 PE	DURON K 3168
DURON OF 1510	DURON OF 1543	DURON OF 3850
DURON OF 4012	DURON OS 1547	DURON OS 1547-AV
DURON OS 1547-LA	DURON OS 2206	DURON OS 3034
DURON OS 3136	DURON OS 3151	DURON OS 3188
DURON OS 4012 CO	DURON OS 4022	DURON OS 4056
DURON OS 3176		

12.4 SPINNING LUBRICANTS FOR POLYAMIDE

DURON 1105 PE	DURON 14	DURON 7024
DURON AF 2170	DURON AS 1711	DURON ASE 7620
DURON K 2088	DURON NV 12	

12.5 LUBRICANTS FOR YARN PRODUCTION

DURON 7024	DURON AC	DURON KG 1710
DURON KG 2450	DURON KG 3010	DURON NV 12
DURON NV 2	DURON NV 7	DURON P 1
DURON SG 2420	DURON SI	DURON TX 2083
DURON VWS	SILIC	VITAGON RS 20

FIBRE ADDITIVES

12.6 CONING OILS

DURON K 2114
DURON TX 4029

DURON TX 2009

DURON TX 2080

12.7 SPINNING LUBRICANTS FOR POLYOLEFINE TAPE

DURON 178
DURON OF 3206
DURON OF 4035

DURON K 3215
DURON OF 4004

DURON OF 2148
DURON OF 4031

12.8 SPINNING LUBRICANTS FOR POLYOLEFINE SPUNBOND

DURON 7024
DURON OF 1547-AV
DURON OF 4012
DURON OF 4048

DURON NV 3180
DURON OF 1547-LA
DURON OF 4012 BOT

DURON OF 1547
DURON OF 2148
DURON OF 4035

12.9 OTHER FIBRE ADDITIVES

DURON TX 2083

DURON WARP WAX 109

HANSA AFE 5711

COATING

13.1 DISPERSIONS / BINDERS

TUBICOAT A 17 ^{b)}
TUBICOAT A 28 ^{b)}
TUBICOAT E 4 ^{b)}
TUBICOAT PU 80

TUBICOAT A 19 ^{a)}
TUBICOAT A 36 ^{a)}
TUBICOAT PU 44 K
TUBICOAT PUS

TUBICOAT A 22 ^{b)}
TUBICOAT A 41 ^{b)}
TUBICOAT PU 60
TUBICOAT VA-XS ^{b)}

COATING

13.2 THICKENING AGENTS

TUBICOAT HEC	TUBICOAT VERDICKER 17	TUBICOAT VERDICKER ASD
TUBICOAT VERDICKER HEC	TUBICOAT VERDICKER LP	TUBICOAT VERDICKER PRA

13.3 ANTIFOAMS

TUBICOAT ENTSCÄUMER BS TUBICOAT ENTSCÄUMER N

13.4 CROSSLINKING AND FIXING AGENTS

TUBICOAT FIXIERER AZ	TUBICOAT FIXIERER FA ^{b)}	TUBICOAT FIXIERER FC
TUBICOAT FIXIERER H 24		

13.5 COMPOUNDS FOR PASTE COATING

TUBICOAT DEP-PU ^{b)}	TUBICOAT MAF ^{a)}	TUBICOAT PERL PU SOFT ^{b)}
TUBICOAT WLI ^{b)}	TUBICOAT WX BASE ^{a)}	TUBICOAT WX-TCA 70 ^{a)}
TUBICOAT WOT		

13.6 COMPOUNDS FOR FOAM COATING

TUBICOAT MP-D ^{a)}

13.7 FILMS / MEMBRANES / LAMINATING

LAMETHAN ADH-1 ^{b)}	LAMETHAN LB 15-T BR 152	LAMETHAN LB 15-T W 150
LAMETHAN VL-H920 O BR150	LAMETHAN VL-H920 S BR 150	LAMETHAN VL-H920 W BR150
TUBICOAT ASK		

13.8 WATER / OIL REPELLENCE

ECOPERL 4	ECOPERL ACTIVE	ECOPERL HC
zeroF 1 ^{a)}		

13.9 OTHER COATING AUXILIARIES

TUBICOAT WBV	TUBICOAT SI 55	TUBICOAT EMULGATOR HF
TUBICOAT MOP NEU	TUBICOAT WEISS EU	

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TEXTILE PRINTING

14.1 DISPERSE THICKENER

PRISULON STAR PRISULON T 10

14.2 VAT THICKENER

PRISULON 1570 PRISULON 360 AS

14.3 REACTIVE THICKENER

CHT-ALGINAT MV CHT-ALGINAT MVU CHT-ALGINAT NV 10
CHT-ALGINAT SMT PRISULON CR-F 40 PRISULON CR-F 50

14.4 UNIVERSAL THICKENER

PRISULON CMS 10 PRISULON DCA 1200 S PRISULON DCA 130 S
PRISULON DCA 90

14.5 CARPET THICKENER

PRISULON GTS 800 TUBIVIS UNIQUE 432 TUBIVIS UNIQUE 432 HD

14.6 CARPET AUXILIARIES

RAPIDOPRINT STRETCH

14.7 OXIDIZING / REDUCING AGENTS

RAPIDOPRINT XR GRANULAT

14.8 PRINTING AUXILIARIES

RAPIDOPRINT LM RAPIDOPRINT RRE

TEXTILE PRINTING

14.9 BLANKET ADHESIVES

PRINTPERFEKT EX-AR
TUBIGUM RPA 130
TUBIGUM RS FLUESSIG

PRINTPERFEKT STIC SP 2
TUBIGUM RPA FL.
TUBIGUM Z 12

PRINTPERFEKT STIC SP 5
TUBIGUM RPD FL.
TUBIGUM DK 15

14.10 PRINTING WASHING-OFF

PRINTOBLANC CPA NEU

14.11 PIGMENT THICKENERS

TUBIVIS DL 600
TUBIVIS STAR

TUBIVIS DL 650

TUBIVIS DRL 170

14.12 BINDERS

TUBIFAST AS 10 ^{a)}
TUBIFAST AS 4010 ^{a)}
TUBIFAST AS 4083 FF

TUBIFAST AS 30 ^{a)}
TUBIFAST AS 4510 ^{a)}

TUBIFAST AS 40 ^{b)}
TUBIFAST AS 4510 FF

14.13 FIXING AGENTS

TUBASSIST FIX 104 W
TUBIFIX P 70

TUBASSIST FIX 120 W

TUBIFIX ML 55 ^{b)}

14.14 SOFTENERS

TUBISOFT PCE

TUBISOFT PS

TUBISOFT SEM

14.15 PIGMENT RHEOLOGICAL ADDITIVES

TUBIGAT AR
TUBIGAT WAF 20 ^{b)}

TUBIGAT R 130 NEU

TUBIGAT R 25

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TEXTILE PRINTING

14.16 WHITE AND LAC PASTES

PRINTPERFEKT LAC 77 ^{a)}	PRINTPERFEKT BLANC FLEX ^{b)}	PRINTPERFEKT LAC FF
PRINTPERFEKT BLANC FF ^{a)}	PRINTPERFEKT LAC FLEX ^{b)}	PRINTPERFEKT BLANC 670 ^{a)}
TUBILAC 115 A ^{a)}	TUBILAC 55 NF	TUBIPRINT WEISS 450 AV ^{a)}
TUBIPRINT WEISS 450 DV ^{b)}	TUBIPRINT WEISS 500 AV ^{a)}	TUBIPRINT WEISS K 70
TUBIPRINT WEISS K 80	TUBIPRINT WEISS K 90	

14.17 FOIL ADHESIVES

TRANSLAC BOND 55	TUBILUX TD 90 NF
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14.18 PIGMENT GLOSS PASTES

PRINTPERFEKT GD 270	TUBISCREEN GD 200	TUBISCREEN GD 300
TUBISCREEN GD-G ^{a)}	TUBISCREEN GD-G CONC. ^{a)}	

14.19 PIGMENT DISCHARGE PASTES

PRINTPERFEKT DC 8	PRINTPERFEKT DC 8 WHITE	TUBISCREEN DC 25 ^{a)}
TUBISCREEN DC 35 WEISS ^{a)}		

14.20 SPECIAL PRINTING PROCESS AUXILIARIES

PRINTPERFEKT CRACK BASE	PRINTPERFEKT CRACK PRE ^{a)}	RAPIDOPRINT CT 110
TUBISCREEN FAT 100 ^{b)}	TUBISCREEN EX 160 A ^{b)}	TUBISCREEN EX-TS ^{b)}

14.21 ANTIFOAMS AND DEAERATING AGENTS

CHT-ENTSCHÄUMER BSN	RAPIDOPRINT CT AF	RAPIDOPRINT SC 10
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a) Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.

b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

TEXTILE PRINTING

14.22 RUNNING IMPROVER

RAPIDOPRINT H 4
TUBIPRINT RETARDER

TUBIGAT A 60

TUBIPRINT BL

14.23 PIGMENT DYEING

PADICOLL CA-AF ^{b)}
PADICOLL PAD

PADICOLL DYE
PADICOLL PRO

PADICOLL ONE ^{a)}

14.24 SCREEN PRINTING INK

ALPAPRINT CAT
PRINTPERFEKT 226 ^{a)}
PRINTPERFEKT BASE FF

ALPAPRINT CLEAR
PRINTPERFEKT 226 EC ^{a)}
PRINTPERFEKT CLEAR FF

ALPAPRINT WHITE
PRINTPERFEKT 226 FF

14.25 SILICONE COMPOUND FOR COATING

ALPATEC 30142 A
ALPATEC 30143 B
ALPATEC 30203 A
ALPATEC 30340 B
COLORMATCH SI 005 WEISS
COLORMATCH SI 115 GOLGELB
COLORMATCH SI 215 ROT
COLORMATCH SI 285 VIOLET
COLORMATCH SI 355 MARINE
COLORMATCH SI 465 OLIVGRÜN

ALPATEC 30142 B
ALPATEC 30191 A
ALPATEC 30203 B
ALPATEC 745

ALPATEC 30143 A
ALPATEC 30191 B
ALPATEC 30340 A
ALPATEC 540 HK
COLORMATCH SI 105 LEMON
COLORMATCH SI 185 ORANGE
COLORMATCH SI 225 DUNKELROT
COLORMATCH SI 305 BLAU
COLORMATCH SI 405 GRÜN
COLORMATCH SI 705 SCHWARZ

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b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

PIGMENT PRODUCTS FOR PRINTING

15.1 BEZAPRINT GOT / BEZAPRINT

BEZAPRINT Citron GOT	BEZAPRINT Yellow GOT	BEZAPRINT Orange GOT
BEZAPRINT Red GOT	BEZAPRINT Blue GOT	BEZAPRINT Navy GOT
BEZAPRINT Black GOT ^{d)}	BEZAPRINT Citron 10G	BEZAPRINT Yellow 3GT
BEZAPRINT Yellow 2GN	BEZAPRINT Yellow RR	BEZAPRINT Yellow 4RM ^{e)}
BEZAPRINT Orange 2G ^{e)}	BEZAPRINT Orange RG ^{e)}	BEZAPRINT Orange GT
BEZAPRINT Scarlet GRL	BEZAPRINT Scarlet RR	BEZAPRINT Red KGC
BEZAPRINT Red GCA	BEZAPRINT Red KF	BEZAPRINT Red 2BN
BEZAPRINT Pink BW	BEZAPRINT Violet FB	BEZAPRINT Violet R
BEZAPRINT Bordeaux K2R	BEZAPRINT Blue TB	BEZAPRINT Blue BT
BEZAPRINT Blue BN	BEZAPRINT Blue RT ^{d)}	BEZAPRINT Blue RTM
BEZAPRINT Blue RR	BEZAPRINT Navy RRM	BEZAPRINT Navy TR ^{d)}
BEZAPRINT Turquoise GT	BEZAPRINT Green BS	BEZAPRINT Green BT
BEZAPRINT Green 2B	BEZAPRINT Olive Green BT ^{d)}	BEZAPRINT Brown RP
BEZAPRINT Brown TM ^{d)}	BEZAPRINT Grey BB ^{d)}	BEZAPRINT Black DT ^{d)}
BEZAPRINT Black DW ^{d)}	BEZAPRINT Black BDC ^{d)}	BEZAPRINT Violet KB
BEZAPRINT Violet TN		

15.2 BEZAFLUOR

BEZAFLUOR Violet BR

15.3 COLORMATCH

CM 102 Citron	CM 106 Yellow	CM 110 Golden Yellow
CM 180 Orange ^{e)}	CM 200 Scarlet	CM 210 Red
CM 221 Carmine	CM 222 Marsred	CM 225 Dark Red
CM 240 Pink	CM 250 Fuchsia	CM 280 Violet
CM 300 Blue	CM 350 Navy	CM 360 Denim ^{d)}
CM 380 Turquoise	CM 400 Green	CM 450 Light Green
CM 550 Brown	CM 700 Black ^{d)}	CM 740 Black ^{d)}

Please note that the combination of pigments containing Pigment Orange 13 and / or Pigment Orange 34 with pigments containing Pigment Black 7 is not recommended any more.

d) contains Pigment Black 7

e) contains Pigment Orange 13 and / or Pigment Orange 34

FLOCK FOR TEXTILE CLOTHING

16.1 FLOCK ADDITIVES

TUBASSIST T 526 W

16.2 FLOCK ADHESIVES

TUBVINYL 235 MC ^{b)}
TUBVINYL 236 H ^{b)}

TUBVINYL 235 MC WEISS ^{b)}
TUBVINYL 260 H ^{b)}

TUBVINYL 235 S ^{b)}

16.3 FLOCK TRANSFER AUXILIARIES

TUBASSIST ELASTOMELT 90 F
TUBVINYL BOND
TUBVINYL ELASTOBOND ^{a)}

TUBASSIST MELT F
TUBVINYL BOND ES ^{b)}
TUBVINYL NARS

TUBVINYL 270 FF
TUBVINYL BOND FF

SIZING ADHESIVES

17. SIZING ADHESIVES

TUBOFLEX PVA 80

TUBOMIX OCE

a) Fabrics finished only with this product show a formaldehyde value of < 16 ppm, if proper production parameters are kept.
b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept..

GARMENT AUXILIARIES

18.1 AMYLASES

BEISOL AFG-G

BEISOL T 2090-G

18.2 CELLULASES

BEIZYM ACE-G

BEIZYM HC-G

BEIZYM TOP H.C.

BEIZYM BPN 300-G

BEIZYM NGS

BEIZYM UL-G

BEIZYM BPN-G

BEIZYM NGS-SB

18.3 LACCASES

DENIMCOL LAC-LRE

18.4 ANTIBACKSTAINING WASHING & DISPERSING AGENTS

DENIMCOL CLEAN-ABS NEU

DENIMCOL CLEAN-JWH

DENIMCOL DIS-DPE

DENIMCOL DIS-MIP ^{a)}

DENIMCOL DIS-SMS ^{a)}

DENIMCOL WASH-CPD

DENIMCOL WASH-JET

DENIMCOL WASH-POO

DENIMCOL WASH-TBU

DENIMCOL WASH-DSU

DENIMCOL CLEAN-CSM

DENIMCOL CLEAN-JWP

DENIMCOL DIS-ESW

DENIMCOL DIS-NWS

DENIMCOL DIS-VD NEU

DENIMCOL SPEC-SUEDE ^{b)}

DENIMCOL WASH-NOF

DENIMCOL WASH-RGN

DENIMCOL WASH-VW

DENIMCOL CLEAN-CUP

DENIMCOL CLEAN-SMX

DENIMCOL DIS-KEB

DENIMCOL DIS-OL

DENIMCOL WASH-42

DENIMCOL WASH-FDO NEU

DENIMCOL WASH-P WHITE

DENIMCOL WASH-SE

DENIMCOL WASH-WN

18.5 SOFTENERS

DENIMCOL SOFT-47

DENIMCOL SOFT-71

DENIMCOL SOFT-2270

DENIMCOL SOFT-HWS

DENIMCOL SOFT-MIC

DENIMCOL SOFT RGH

DENIMCOL SOFT-SI 70

DENIMCOL SOFT-64

DENIMCOL SOFT-71 CONC

DENIMCOL SOFT-4748

DENIMCOL SOFT-ISP

DENIMCOL SOFT-OHS

DENIMCOL SOFT-RMG

DENIMCOL SOFT-SMF

DENIMCOL SOFT-66

DENIMCOL SOFT-220

DENIMCOL SOFT-9270

DENIMCOL SOFT-KRE

DENIMCOL SOFT-PEN

DENIMCOL SOFT-RSK

DENIMCOL SOFT-VWS

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b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.

GARMENT AUXILIARIES

18.6 RESIN FINISHING AGENTS

DENIMCOL RES-ABT	DENIMCOL RES CCP-T ^{b)}	DENIMCOL RES-CCP ^{b)}
DENIMCOL RES-FS	DENIMCOL RES-TIO ^{b)}	DENIMCOL RES-ZF

18.7 AUXILIARIES FOR SPECIAL EFFECTS

DENIMCOL FIX-ICB CONC.	DENIMCOL SPEC TW BASE ^{a)}	DENIMCOL SPEC VA 55
DENIMCOL SPEC-AF ^{a)}	DENIMCOL SPEC-AS 30 ^{a)}	DENIMCOL SPEC-BIC
DENIMCOL SPEC-BIO	DENIMCOL SPEC-BOND 55	DENIMCOL SPEC-CPU
DENIMCOL SPEC-CRACK1 ^{a)}	DENIMCOL SPEC-CRACK2	DENIMCOL SPEC-DAP
DENIMCOL SPEC-DC25 ^{a)}	DENIMCOL SPEC-EPD	DENIMCOL SPEC-FAT 100 ^{b)}
DENIMCOL SPEC-FIX 104 W	DENIMCOL SPEC-GD 200	DENIMCOL SPEC-FIX FC
DENIMCOL SPEC-FIX ML 55 ^{b)}	DENIMCOL SPEC-GDG ^{a)}	DENIMCOL SPEC-FOAM
DENIMCOL SPEC-FTL	DENIMCOL SPEC-HEC	DENIMCOL SPEC-GD 300
DENIMCOL SPEC-MGR ^{a)}	DENIMCOL SPEC-GDX ^{b)}	DENIMCOL SPEC-GOLD ^{a)}
DENIMCOL SPEC-PUS	DENIMCOL SPEC-LAC 110 ^{a)}	DENIMCOL SPEC-LUSTER ^{a)}
DENIMCOL SPEC-MS ^{a)}	DENIMCOL SPEC-PERL ^{a)}	DENIMCOL SPEC-RPD
DENIMCOL SPEC-TD 90	DENIMCOL SPEC-WEISS K 70	DENIMCOL SPEC-WEISS K 90

18.8 GARMENT DYE

DENIMCOL BINDER GF-C ^{a)}	DENIMCOL BLANC-HA	DENIMCOL BLANC-HA D3
DENIMCOL BLANC-HAS4	DENIMCOL F	DENIMCOL FIX-3005
DENIMCOL FIX-ACP	DENIMCOL FIX-ACP 200 %	DENIMCOL FIX-CTK
DENIMCOL FIX-FSN	DENIMCOL FIX-GF	DENIMCOL FIX-IN 35
DENIMCOL FIX-OS	DENIMCOL LEV-A	DENIMCOL LEV-M
DENIMCOL LEV-PF	DENIMCOL LEV-SBFN	DENIMCOL PCS
DENIMCOL SEL 200	DENIMCOL XRN PEARLS	

18.9 OTHER GARMENT AUXILIARIES

DENIMCOL AR	DENIMCOL BINDER-CA ^{b)}	DENIMCOL BINDER-PAC ^{a)}
DENIMCOL BINDER-RE NEU	DENIMCOL BOOST CL	DENIMCOL BOOST PP
DENIMCOL BSN	DENIMCOL BUFFER-KP	DENIMCOL BUFFER-NVMV 200
DENIMCOL CDA	DENIMCOL GAL	DENIMCOL HV
DENIMCOL LOK	DENIMCOL LUB-109	DENIMCOL LUB-BPA
DENIMCOL LUB-TCC	DENIMCOL DIS-MR	DENIMCOL NCD
DENIMCOL PEX	DENIMCOL SD	organIQ ASSIST
organIQ BLEACH T	organIQ BUFFER AO	

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b) Fabrics finished only with this product show a formaldehyde value of < 75 ppm, if proper production parameters are kept.



CHT
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WITH CHARACTER.

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