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05.02.2018/ Product Safety/ Mrs. S. Meyer/ MeS
direct line -336

**C&A Chemical Policy (RSL & MRSL)
Supplier Quality Manual V 02 – Effective date: 01/01/2018**

Ladies and Gentlemen,

We are pleased to answer your enquiry with regard to the C&A Chemical Policy (RSL & MRSL).

We tested whether the products which you are purchasing from us right now, can be expected to exceed limits with regard to C&A Chemical Policy (RSL & MRSL) Supplier Quality Manual V 02 – Effective date: 01/01/2018. This test is based on raw material research and comprises the following products:

BEIZYM LTN-G
BEIZYM SPELL
DENIMCOL DIS-MIP
DENIMCOL DIS-OL
DENIMCOL FIX-FSN
DENIMCOL FIX-OS
DENIMCOL LUB-BPA
DENIMCOL NCD
DENIMCOL SEL
DENIMCOL SOFT RGH
DENIMCOL SOFT-PEN
DENIMCOL SPEC-CRACK2
DENIMCOL SPEC-EPD
DENIMCOL SPEC-FAT 100
DENIMCOL SPEC-FIX ML 55

DENIMCOL SPEC-GD 200
DENIMCOL SPEC-MGR
DENIMCOL SPEC-MS
DENIMCOL SPEC-PERL
ECOPERL 4
GILTEX B 71
GILTEX B 73
GILTEX B 90
GILTEX B 95
GILTEX B 98
HELOVAT BF 3200
HELOVAT E 45
HELOVAT SUF
MEROPAN XR GRANULAT
MEROPAN XRN PEARLS

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 organIQ BIOPOWER
 organIQ BLEACH T
 POLYAVIN 3000
 PRISULON CR-F 50
 RETINOL M
 SARABID VAT

TUBIGAT MCT FF
 TUBINGAL 9270
 TUBIPRINT WEISS K 80
 TUBISOFT VST
 TUBOBLANC HV
 VISCALGIN HV

We can confirm that according to the manufacturing recipe the stated products do not contain any substances which are prohibited or restricted according to the C&A – (RSL & MSRL) with the exception of the substances stated below.

According to our knowledge the raw materials used by us neither contain any substances of the criteria mentioned above. This information is based on raw material research. Routine contamination analyses of the substances mentioned in the above criteria are neither carried out by us nor by our pre-suppliers.

The products are neither auxiliaries for biocide finishing nor for flame retardant finishing.

Small amounts of formaldehyde are contained in some products for technical reasons that cannot be avoided:

CHT-Product-name	formaldehyde content
DENIMCOL DIS-MIP	< 0.02 % (< 200 ppm)
DENIMCOL SPEC-CRACK2	< 0.009 % (< 90 ppm)
DENIMCOL SPEC-FAT 100	< 0.01 % (< 100 ppm)
DENIMCOL SPEC-FIX ML 55	< 0.20 % (< 2000 ppm)
DENIMCOL SPEC-MGR	< 0.011 % (< 110 ppm)
DENIMCOL SPEC-MS	< 0.02 % (< 200 ppm)
DENIMCOL SPEC-PERL	< 0.007 % (< 70 ppm)
GILTEX B 73	< 0.04 % (< 400 ppm)
GILTEX B 90	< 0.006 % (< 60 ppm)
GILTEX B 98	< 0.005 % (< 50 ppm)
SARABID VAT	< 0.063 % (< 630 ppm)

The percentages correspond with the maximum formaldehyde values. According to our knowledge the other products purchased by you are free from formaldehyde.

The stated amount of **formaldehyde** cannot be avoided in the above products for technical reasons. For textile auxiliaries and print pastes which remain on the fabric, you must count on having a remainder of formaldehyde on the fabric.

DENIMCOL DIS-MIP, GILTEX B 73, GILTEX B 90, GILTEX B 98 and SARABID VAT only effective in the treatment bath. According to our experience, the formaldehyde limit value of < 16 ppm for textiles (detection limit, measuring method LAW 112 or EN ISO 14 184-1) can be kept.

The other products are applied on the fibres. However, the formaldehyde value on finished textiles will be far below the stated formaldehyde values for the products in the table above.

As formaldehyde is a volatile substance, clearly less formaldehyde values can be found on finished textiles than in the products themselves. Production parameters can be selected in such a way that the formaldehyde contained in the products can almost be removed from the fabric with customary drying and fixing processes.

Fabrics finished only with **DENIMCOL SPEC-CRACK2, DENIMCOL SPEC-FAT 100, DENIMCOL SPEC-MGR, DENIMCOL SPEC-MS and DENIMCOL SPEC-PERL** show a formaldehyde value of < 16 ppm (measuring method LAW 112 or EN ISO 14 184-1), proper production parameters are kept. Therefore the limit values according C&A - Restricted Substance List (baby articles) can be kept.

Fabrics finished only with **DENIMCOL SPEC-FIX ML 55** show a formaldehyde value of < 75 ppm (measuring method LAW 112 or EN ISO 14 184-1), proper production parameters are kept. Therefore the limit values according C&A - Restricted Substance List (article in direct contact with skin) can be kept. Under certain conditions, values of < 16 ppm (detection limit) can also be obtained. By washing the fabric or with home laundry, the values can certainly be reduced to < 16 ppm. In this case the limit values according to C&A - Restricted Substance List (baby articles) can be kept.

Despite the estimation based on our experience, we would like to indicate that the formaldehyde content on the fabric strongly depends on the product in use, the processing conditions and the application amount. Thus, an exact content on the fabric can only be determined by measurements on the manufactured fabric.

Please note that the product **DENIMCOL SPEC-FAT 100** contains benzalkonium chloride in its recipe. This substance is not allowed according to C&A requirements

You can obtain recommendations for the least possible formaldehyde content on the fabric from our Technical Service Department.

According to our knowledge we can expect that textiles finished properly with the described CHT products according to our technical recommendations, with the exception of **DENIMCOL SPEC-FAT 100** and with the mentioned restrictions, meet the demands of the C&A Chemical Policy (RSL & MRSL).

Please do not hesitate to contact us any time for further questions.

Sincerely yours

CHT Germany GmbH



Tobias Gmeiner
Product Safety



Sabine Meyer
Product Safety