

## General Declaration

**To:** Whom it may concern  
**From:** Smit, Weesp

**Date:** November 29, 2019  
**Topic:** Statement of Compliance with ZDHC MRSL

The range of Smit Wet End products complies with the European Union (EU) regulations, directives and restrictions regarding dangerous substances for use in standard leather consumer goods and with the [ZDHC MRSL Version 2.0](#). The following components are not used in our formulations:

CAS number

### Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs) including all isomers

Nonylphenol (NP), mixed isomers	104-40-5, 11066-49-2 25154-52-3 84852-15-3
Octylphenol (OP), mixed isomers	140-66-9 1806-26-4 27193-28-8
Octylphenol ethoxylates (OPEO)	9002-93-1 9036-19-5 68987-90-6
Nonylphenol ethoxylates (NPEO)	9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0

### Anti- Microbials & Biocides

o-Phenylphenol (+salts)	90-43-7
Permethrin	-
Triclosan	3380-34-5

### Chlorinated Paraffins

Short Chain Chlorinated Paraffins (C10 – C13)	85535-84-8
Medium Chain Chlorinated Paraffins (MCCP) (C14-C17)	85535-85-9

### Chlorobenzenes and Chlorotoluenes

1,2-dichlorobenzene	95-50-1
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa- chlorobenzene and mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple

Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
+31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice. Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.

## Chlorophenols

Pentachlorophenol (PCP)	87-86-5
Tetrachlorophenol (TeCP)	Multiple
2,3,4-Trichlorophenol	15950-66-0
2,3,5-Trichlorophenol	933-78-8
2,3,6-Trichlorophenol	933-75-5
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
3,4,5-Trichlorophenol	609-19-8
2,3-Dichlorophenol	576-24-9
2,4-Dichlorophenol	120-83-2
2,5-Dichlorophenol	583-78-8
2,6-Dichlorophenol	87-65-0
3,4-Dichlorophenol	95-77-2
3,5-Dichlorophenol	591-35-5
2-Chlorophenol	95-57-8
3-Chlorophenol	108-43-0
4-Chlorophenol	106-48-9

## Dyes – Azo (Forming Restricted Amines)

4,4'-methylene-bis-(2-chloro-aniline)	101-14-4
4,4'-methylenedianiline	101-77-9
4,4'-oxydianiline	101-80-4
4-chloroaniline	106-47-8
3,3'-dimethoxybenzidine	119-90-4
3,3'-dimethylbenzidine	119-93-7
6-methoxy-m-toluidine	120-71-8
2,4,5-trimethylaniline	137-17-7
4,4'-thiodianiline	139-65-1
4-aminoazobenzene	60-09-3
4-methoxy-m-phenylenediamine	615-05-4
4,4'-methylenedi-o-toluidine	838-88-0
2,6-xylidine	87-62-7
o-anisidine	90-04-0
2-naphthylamine	91-59-8
3,3'-dichlorobenzidine	91-94-1
4-aminodiphenyl	92-67-1
Benzidine	92-87-5
o-toluidine	95-53-4
2,4-Xylidine	95-68-1
4-chloro-o-toluidine	95-69-2
4-methyl-m-phenylenediamine	95-80-7
o-aminoazotoluene	97-56-3
5-nitro-o-toluidine	99-55-8
2-Naphthylammoniumacetate	553-00-4
4-chloro-o-toluidinium chloride	3165-93-3

Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
+31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice.  
Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.

4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate 39156-41-7  
 2,4,5-trimethylaniline hydrochloride 21436-97-5

## Dyes – Carcinogenic or Equivalent Concern

C.I. Direct Black 38 1937-37-7  
 C.I. Direct Blue 6 2602-46-2  
 C.I. Acid Red 26 3761-53-3  
 C.I. Basic Red 9 569-61-9  
 C.I. Direct Red 28 573-58-0  
 C.I. Basic Violet 14 632-99-5  
 C.I. Disperse Blue 1 2475-45-8  
 C.I. Disperse Blue 3 2475-46-9  
 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) 2580-56-5  
 C.I. Basic Green 4 (malachite green chloride) 569-64-2  
 C.I. Basic Green 4 (malachite green oxalate) 2437-29-8  
 C.I. Basic Green 4 (malachite green) 10309-95-2  
 Disperse Orange 11 82-28-0  
 C.I. Acid Violet 49 1694-09-3  
 Basic violet 3 with >0.1% of Michler's Ketone 548-62-9

## Dyes – Navy Blue Colourant

Component 1:  $C_{39}H_{23}ClCrN_7O_{12}S \cdot 2Na$  118685-33-9  
 Component 2:  $C_{46}H_{30}CrN_{10}O_{20}S_2 \cdot 3Na$  -

## Flame Retardants

Tris(2-chloroethyl)phosphate (TCEP) 115-96-8  
 Tris(2,3,-dibromopropyl)-phosphate (TRIS) 126-72-7  
 Bis(2,3-dibromopropyl)phosphate (BIS) 5412-25-9  
 Tris(1-aziridinyl)phosphine oxide (TEPA) 545-55-1  
 Tetrabromobisphenol A (TBBPA) 79-94-7  
 2,2-bis(bromomethyl)-1,3-propanediol (BBMP) 3296-90-0  
 Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 13674-87-8  
 Dibromopropylether 21850-44-2  
 Diboron trioxide 1303-86-2  
 Tetraboron disodium heptaoxide, hydrate 12267-73-1  
 Triethylenephosphoramidate (TEPA) 545-55-1  
 Tris-(2-chloro-1-methylethyl)phosphate (TCPP) 13674-84-5  
 Boric acid 10043-35-3/11113-50-1  
 Disodium tetraborate, anhydrous 1303-96-4/1330-43-4  
 Disodium octaborate 12008-41-2  
 Hexabromocyclodecane (HBCDD) 3194-55-6  
 Polybromobiphenyls (PBB) 59536-65-1  
 Decabromobiphenyl (DecaBB) 13654-09-6  
 Nonabromobiphenyls (NonaBB) Multiple  
 Octabromobiphenyls (OctaBB) Multiple  
 Dibromobiphenyls (DiBB) Multiple

### Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
 VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
 +31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice.  
 Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.

Monobromobiphenyls (MonoBB)	Multiple
Decabromodiphenyl ether (DecaBDE)	1163-19-5
Nonabromodiphenyl ether (NonaBDE)	63936-56-1
Octabromodiphenyl ether (OctaBDE)	32536-52-0
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3
Hexabromodiphenyl ether (HexaBDE)	36483-60-0
Pentabromodiphenyl ether (PentaBDE)	32534-81-9
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9
Tribromodiphenyl ethers (TriBDEs)	Multiple
Monobromodiphenyl ethers (MonoBDEs)	Multiple

## Glucols / Glycol Ethers

Bis(2-methoxyethyl)-ether	111-96-6
2-ethoxyethanol	110-80-5
2-ethoxyethyl acetate	111-15-9
Ethylene glycol dimethyl ether	110-71-4
2-methoxyethanol	109-86-4
2-methoxyethylacetate	110-49-6
Triethylene glycol dimethyl ether	112-49-2
2-methoxypropylacetate	70657-70-4

## Halogenated Solvents

1,2-dichloroethane	107-06-2
Methylene chloride	75-09-2
Trichloroethylene	79-01-6
Tetrachloroethylene	127-18-4
Trichlorethylene, benzotrachloride	98-07-7
Tetrachlorotoluene	5216-25-1
Benzylchloride	100-44-7

## Organotin Compounds

Mono-, di- and tri-methyltin derivatives	Multiple
Mono-, di- and tri-butyltin derivatives	Multiple
Mono-, di- and tri-phenyltin derivatives	Multiple
Mono-, di- and tri-octyltin derivatives	Multiple
Dipropyltin compounds (DPT)	Multiple
Tetraethyltin Compounds (TeET)	Multiple
Tripropyltin Compounds (TPT)	Multiple
Dibutyltin (DBT)	Multiple
Tetrabutyltin compounds (TeBT)	Multiple
Tetraoctyltin compounds (TeOT)	Multiple
Tricyclohexyltin (TCyHT)	Multiple

## Perfluorinated and Polyfluorinated Chemicals (PFCs)

Perfluorooctane sulfonate (PFOS) and related substances	Multiple
Perfluorooctanoic acid (PFOA) and related substances	Multiple

Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
 VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
 +31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice.  
 Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.

## Phthalates – including all other esters of ortho-phthalic acid

Di(ethylhexyl) phthalate (DEHP)	117-81-7
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
Di-n-octyl phthalate (DNOP)	117-84-0
Di-iso-decyl phthalate (DIDP)	26761-40-0
Di-isononyl phthalate (DINP)	28553-12-0
Di-n-hexyl phthalate (DnHP)	84-75-3
Dibutyl phthalate (DBP)	84-74-2
Butyl benzyl phthalate (BBP)	85-68-7
Dinonyl phthalate (DNP)	84-76-4
Diethyl phthalate (DEP)	84-66-2
Di-n-propyl phthalate (DPRP)	131-16-8
Di-isobutyl phthalate (DIBP)	84-69-5
Di-cyclohexyl phthalate (DCHP)	84-61-7
Di-iso-octyl phthalate (DIOP)	27554-26-3
1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4/68515-50-4
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6/84777-06-0
Diisopentylphthalates	605-50-5
Di-n-pentylphthalates	131-18-0

## Polycyclic Aromatic Hydrocarbons (PAHs)

Benzo[a]pyrene (BaP)	50-32-8
Anthracene	120-12-7
Pyrene	129-00-0
Benzo[ghi]perylene	191-24-2
Benzo[e]pyrene	192-97-2
Indeno[1,2,3-cd]pyrene	193-39-5
Benzo[j]fluoranthene	205-82-3
Benzo[b]fluoranthene	205-99-2
Fluoranthene	206-44-0
Benzo[k]fluoranthene	207-08-9
Acenaphthylene	208-96-8
Chrysene	218-01-9
Dibenz[a,h]anthracene	53-70-3
Benzo[a]anthracene	56-55-3
Acenaphthene	83-32-9
Phenanthrene	85-01-8
Fluorene	86-73-7
Naphthalene	91-20-3

Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
 VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
 +31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice.  
 Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.

## Total Heavy Metals

Arsenic (As)	7440-38-2
Cadmium (Cd)	7440-43-9
Mercury (Hg)	7439-97-6
Lead (Pb)	7439-92-1
Chromium (VI)	18540-29-9
Barium	7440-39-3
Selenium	7782-49-2
Tin	7440-31-5
Nickel	7440-02-0
Copper	7440-50-8
Silver	7440-22-4

## UV absorbers

2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1

## Volatile Organic Compounds (VOC)

Benzene	71-43-2
o-cresol	95-48-7
p-cresol	106-44-5
m-cresol	108-39-4
Xylene	1330-20-7

## Other/Miscellaneous Chemicals

Borate, zinc salt	12767-90-7
Bisphenol A	80-05-7
Thiourea	62-56-6
Quinoline	91-22-5
Silica (particles of respirable size)	14464-46-1
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1

Some of our fatliquors contain traces Cobalt. Since ZDHC MRSL formulation limits only apply to dyes this does not affect the conformity status of our products.



If you have any further questions please do not hesitate to contact us.

Certified true and correct.

Signature:



Erik de Potter  
Product Regulatory Affairs Manager  
+31 294 238 842  
Erik.dePotter@SmitZoon.com

Handelmaatschappij A. Smit en Zoon B.V.

P.O.Box 123, 1380 AC Weesp, The Netherlands | Nijverheidslaan 48, 1382 LK Weesp, The Netherlands  
VAT: NL006668185B01 | ABN AMRO Bank N.V. | IBAN €: NL79 ABNA 0469197935 | IBAN \$: NL94 ABNA 0469223855 | BIC: ABNANL2A  
+31 294 238 800 | SmitZoon.com

All data and recommendations herein are accurate at the time of publication. Smit & Zoon reserves the right to modify them without notice. Work conditions and type of raw material can affect the final results. It is the responsibility of the user to apply the recommendations to the actual conditions and particular purpose.