

General Declaration

To: Whom it may concern
From: Smit, Weesp

Date: April 25, 2023
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 3.1](#). 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

Nonylphenol ethoxylates (NPEO)

9016-45-9
26027-38-3
37205-87-1
68412-54-4
127087-87-0

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

Anti- Microbials & Biocides

Dimethylfumarate(DMFu)

624-49-7

o-Phenylphenol (+salts)

90-43-7

Permethrin

52645-53-1

Triclosan

3380-34-5

Chlorinated Paraffins

Short Chain Chlorinated Paraffins (SCCPs) (C10 – C13)

85535-84-8

Medium Chain Chlorinated Paraffins (MCCP) (C14-C17)

85535-85-9

Handelmaatschappij A. Smit en Zoon B.V.

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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	108-90-7 541-73-1 106-46-7 87-61-6 120-82-1 108-70-3 634-66-2 634-90-2 95-94-3 608-93-5 118-74-1 95-49-8 108-41-8 106-43-4 32768-54-0 95-73-8 19398-61-9 118-69-4 95-75-0 25186-47-4 7359-72-0 2077-46-5 6639-30-1 23749-65-7 21472-86-6 1006-32-2 875-40-1 1006-31-1 877-11-2

Chlorophenols

2,3,4,5-Tetrachlorophenol	4901-51-3
2,3,4,6-Tetrachlorophenol	58-90-2
2,3,4-Trichlorophenol	15950-66-0
2,3,5,6-Tetrachlorophenol	935-95-5
2,3,5-Trichlorophenol	933-78-8
2,3,6-Trichlorophenol	933-75-5
2,3-Dichlorophenol	576-24-9
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
2,4-Dichlorophenol	120-83-2
2,5-Dichlorophenol	583-78-8
2,6-Dichlorophenol	87-65-0

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2-Chlorophenol	95-57-8
3,4,5-Trichlorophenol	609-19-8
3,4-Dichlorophenol	95-77-2
3,5-Dichlorophenol	591-35-5
3-Chlorophenol	108-43-0
4-Chlorophenol	106-48-9
Pentachlorophenol (PCP)	87-86-5

Dyes – Carcinogenic or Equivalent Concern

C.I. Acid Red 26	3761-53-3
C.I. Acid Violet 49	1694-09-3
C.I. Direct Black 38	1937-37-7
C.I. Direct Blue 6	2602-46-2
C.I. Direct Red 28	573-58-0

Flame Retardants

2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0
Bis(2,3-dibromopropyl)phosphate (BIS)	5412-25-9
Boric acid	10043-35-3/11113-50-1
Decabromobiphenyl (DecaBB)	13654-09-6
Decabromodiphenyl ether (DecaBDE)	1163-19-5
Diboron trioxide	1303-86-2
Dibromobiphenyls (DiBB)	Multiple
Disodium octaborate	12008-41-2
Disodium tetraborate, anhydrous	1303-96-4/1330-43-4
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3
Hexabromocyclodecane (HBCDD)	3194-55-6
Hexabromodiphenyl ether (HexaBDE)	36483-60-0
Monobromobiphenyls (MonoBB)	Multiple
Monobromodiphenyl ethers (MonoBDEs)	Multiple
Nonabromobiphenyls (NonaBB)	Multiple
Nonabromodiphenyl ether (NonaBDE)	63936-56-1
Octabromobiphenyls (OctaBB)	Multiple
Octabromodiphenyl ether (OctaBDE)	32536-52-0
Pentabromodiphenyl ether (PentaBDE)	32534-81-9
Tetraboron disodium heptaoxide, hydrate	12267-73-1
Tetrabromobisphenol A (TBBPA)	79-94-7
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9
Tri-o-cresyl phosphate	78-30-8
Tribromodiphenyl ethers (TriBDEs)	Multiple
Trimethyl phosphate	512-56-1
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1
Tris(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7
Tris-(2-chloro-1-methylethyl)phosphate (TCPP)	13674-84-5
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8

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Trixylyl phosphate(TXP)

Glycols / Glycol Ethers

2-Ethoxyethanol	110-80-5
2-Ethoxyethyl acetate	111-15-9
2-Methoxyethanol	109-86-4
2-Methoxyethylacetate	110-49-6
2-Methoxypropanol	1589-47-5
2-Methoxypropylacetate	70657-70-4
Bis(2-methoxyethyl)-ether	111-96-6
Ethylene glycol dimethyl ether	110-71-4
Triethylene glycol dimethyl ether	112-49-2

Halogenated Solvents

1,2-dichloroethane	107-06-2
Benzylchloride	100-44-7
Methylene chloride	75-09-2
Tetrachloroethylene	127-18-4
Trichloroethylene	79-01-6

Organic Solvents

Benzene	71-43-2
Cresol	1319-77-3
o-cresol	95-48-7
p-cresol	106-44-5
m-cresol	108-39-4
N,N-dimethylacetamide (DMAC)	127-19-5
N,N-Dimethylformamide (DMFa)	68-12-2
N-Ethyl-2 pyrrolidone (NEP)	2687-91-4
N-Methyl-2-Pyrrolidone(NMP)	872-50-4
Toluene	108-88-3
Xylene	1330-20-7
o-Xylene	95-47-6
m-Xylene	108-38-3
p-Xylene	106-42-3

Organotin Compounds

Dibutyltin (DBT)	683-18-1
Dipropyltin compounds (DPT)	867-36-7
Mono- and tri-butyltin derivatives	1118-46-3
	1461-22-9
Mono-, di- and tri-methyltin derivatives	993-16-8
	753-73-1
	1066-45-1

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Mono-, di- and tri-octyltin derivatives	3091-25-6 3542-36-7 2587-76-0
Mono-, di- and tri-phenyltin derivatives	1124-19-2 1135-99-5 639-58-7
Tetrabutyltin compounds (TeBT)	1461-25-2
Tetraethyltin Compounds (TeET)	597-64-8
Tetraoctyltin compounds (TeOT)	3590-84-9
Tricyclohexyltin (TCyHT)	3091-32-5
Tripropyltin Compounds (TPT)	2279-76-7

Other/Miscellaneous Chemicals

(Free) Aniline	62-53-3
2-(2-aminoethylamino)ethanol (AEEA)	111-41-1
Bisphenol A (BPA)	80-05-7
Borate, zinc salt	1332-07-6
D4 (Octamethylcyclotetrasiloxane)	556-67-2
D5 (Decamethylcyclopentasiloxane)	541-02-6
D6 (Dodecamethylcyclohexasiloxane)	540-97-6
Diazene-1,2-dicarboxamide [C,C`-azodi(formamide)] (ADCA)	123-77-3
Perboric acid, sodiumsalt	11138-47-9 15120-21-5 7632-04-0
	416940-66-2 13517-20-9 125022-34-6 90568-23-3
Quinoline	91-22-5
Thiourea	62-56-6
Silica (particles of respirable size)	14464-46-1
Titanium Dioxide	13463-67-7

Perfluorinated and Polyfluorinated Chemicals (PFAS)

10:2 Fluorotelomer alcohols (10:2 FTOH)	865-86-1
4:2 Fluorotelomer alcohols (4:2 FTOH)	2043-47-2
6:2 Fluorotelomer alcohols (6:2 FTOH)	647-42-7
8:2 Fluorotelomer alcohols (8:2 FTOH)	678-39-7
Perfluorobutane sulfonic acid (PFBS)	375-73-5
Perfluorobutanoic acid (PFBA)	375-22-4
Perfluorodecane sulfonic acid (PFDS)	375-77-3
Perfluorodecanoic acid (PFDA)	335-76-2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4
Perfluorohexanoic acid (PFHxA) and related substances	307-24-4
Perfluorooctane sulfonic acid (PFOS) and related substances	1763-23-1
Perfluorooctanoic acid (PFOA) and related substances	335-65-1

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Phthalates – including all other esters of ortho-phthalic acid

1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
Benzyl butyl phthalate (BBP)	85-68-7
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
Di(ethylhexyl) phthalate (DEHP)	117-81-7
Di-iso-butyl phthalate (DIBP)	84-69-5
Di-iso-decyl phthalate (DIDP)	26761-40-0
Di-iso-nonyl phthalate (DINP)	28553-12-0
Di-iso-octyl phthalate (DIOP)	27554-26-3
Di-iso-pentylphthalates (DIPP)	605-50-5
Di-n-hexyl phthalate (DnHP)	84-75-3
Di-n-octyl phthalate (DNOP)	117-84-0
Di-n-pentylphthalates	131-18-0
Di-n-propyl phthalate (DPRP)	131-16-8
Dibutyl phthalate (DBP)	84-74-2
Dicyclohexyl phthalate (DCHP)	84-61-7
Diethyl phthalate (DEP)	84-66-2
Diisohexyl phthalate	71850-09-4
Dinonyl phthalate (DNP)	84-76-4
n-Pentyl-isopentylphthalate	

Polycyclic Aromatic Hydrocarbons (PAHs)

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

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Restricted Aromatic Amines (Cleavable from Azo-colourants)

2,4,5-Trimethylaniline	137-17-7
2,4-Diaminoanisol	615-05-4
2,4-Toluenediamine	95-80-7
2,4-Xylidine	95-68-1
2,6-xylidine	87-62-7
2-Amino-4-nitrotoluene	99-55-8
2-Naphthylamine	91-59-8
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
4,4'-Diaminodiphenylmethane	101-77-9
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4
4,4'-Methylenedi-o-toluidine	838-88-0
4,4'-Oxydianiline	101-80-4
4,4'-Thiodianiline	139-65-1
4-Aminoazobenzene	60-09-3
4-Aminodiphenyl	92-67-1
4-Chloro-o-toluidine	95-69-2
4-Chloroaniline	106-47-8
Benzidine	92-87-5
o-Aminoazotoluene	97-56-3
o-Anisidine	90-04-0
o-Toluidine	95-53-4
p-Cresidine	120-71-8
Salt of 2,4,5-trimethylanilinehydrochloride	21436-97-5
Salt of 2-Naphthylammoniumacetate	553-00-4
Salt of 4-chloro-o-toluidinium chloride	3165-93-3
Salt of 4-methoxy-m-phenylene diammonium sulphate	39156-41-7

Total Heavy Metals

Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-2
Barium (Ba)	7440-39-3
Cadmium (Cd)	7440-43-9
Chromium (VI)	18540-29-9
Copper (Cu)	7440-50-8
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Nickel (Ni)	7440-02-0
Selenium (Se)	7782-49-2
Silver (Ag)	7440-22-4
Tin (Sn)	7440-31-5

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UV absorbers

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
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

We know that some of our raw materials contain D4, D5, or D6 as impurities. In all of our products, the content is below the limit of 0,1%.

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

Some of our syntans contain Chrome. Since ZDHC MRSL formulation limits only apply to Dyes and Pigments 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:



Giulia Nencioni
Product Regulatory Affairs Manager