

Restricted Substances List (RSL)

VAGABOND INTERNATIONAL AB

Revised March 2022
(Schedule B)

VAGABOND
SHOEMAKERS

VAGABOND INTERNATIONAL AB RESTRICTED SUBSTANCES LIST (RSL)

The purpose:

All products of Vagabond should be produced in a way where the interests of every hand involved, and the environmental impact are in focus. In this, substances that are potentially harmful to the health of anyone involved in the making, handling, or wearing our products must under all circumstances be banned. The Vagabond International AB Restricted Substances List (RSL) defines standards for chemicals and environmental responsibility throughout our supply chain.

Our RSL is based on:

- a) European Chemical Legislation (REACH)
- b) Stockholm Convention on Persistent Organic Pollutant (POPS), Regulation (EC) NO 850/2004
- c) The Biocidal Product Regulation (BPR), Regulation (EU) 528/2012
- d) The EU VOC Solvent Emission Directive 1999/13/EC
- e) Directive on Packaging and Packaging Waste 94/62/EC
- f) Specific Customer National chemical requirements (legislations in our sales countries outside EU)

The list is also based on voluntary schemes to meet our own health and environmental concerns.

All Suppliers must understand and commit to the Vagabond International AB RSL in all production. Suppliers shall also communicate the Vagabond International AB RSL to their respective sub-supplier and ensure that all involved of the making of products for Vagabond understand and follow the RSL.

In addition, Suppliers must ensure that national legislations in the country of production are followed. Vagabond encourages chemical substitution and usage minimization that goes beyond current chemical and environmental legislations. Chemicals used for Vagabond production, shall as a minimum, comply with the Vagabond International AB RSL and the local chemical legislation.

The handling:

- Chemical containers must be properly labelled and safely stored.
- All material safety data sheets (MSDS) must be available in the local language and instructions for chemical handling followed in the storage and production.

Suppliers will be asked to present test results for substances listed in the RSL. Only the test laboratories that are approved by Vagabond will be allowed. Vagabond will inform the suppliers of the substances for mandatory testing each season as well as the approved laboratories. Test results should be sent to chemicals@vagabond.com.

Vagabond will randomly perform verification testing on the supplier batches. If it becomes evident that the limitations for the chemicals listed in the RSL or restriction of national law have been violated, the order will be cancelled, and products shall be returned and compensated at the supplier's expense.

PRODUCT RELATED CHEMICALS

RESTRICTED REGULATED CHEMICALS	Substance identification; CAS RN	Limit value in product
Allergenic dyes	See ANNEX 1	Usage ban
Arsenic and Arsenic salts	CAS RN 7440-38-2	Usage ban
Azo dyes, degradable to carcinogenic arylamines	See ANNEX 2	Usage ban
Benzotriazols	See ANNEX 14	Usage ban
Boric acid, borate compounds	See ANNEX 8	Usage ban
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	CAS RN 6807-17-6	Usage ban
Bisphenol A; BPA (4,4'-isopropylidenediphenol)	CAS RN 80-05-7	Usage ban
Bisphenol B, 4,4'-(1-methylpropylidene) bisphenol	CAS RN 77-40-7	Usage ban
Cadmium and cadmium salts	CAS RN 7440-43-9	Usage ban
C,C'-azodi (formamide) (ADCA)	CAS RN 123-77-3	Usage ban
Chloroparaffins	Short-chain chloroparaffins (C10-C13); CAS RN 85535-84-8 Medium-chain chloroparaffins (C14-C17); CAS RN 85535-85-9	Usage ban
Chromium VI (Cr+6)	CAS RN 18540-29-9.	Should not exceed 0.5 mg/kg (textile & leather)
Chromium (Total), only for non-chrome tanned leathers	CAS RN 7440-47-3	Should not exceed 100 mg/kg
CMR, Carcinogenic, Mutagenic, Reproductive toxic dyestuffs	See ANNEX 3	Usage ban
Formaldehyde	CAS RN 50-00-0	Should not exceed 30 mg/kg
Glutaraldehyde	CAS RN 111-30-8	Should not exceed 100 mg/kg
Formamide	CAS RN 75-12-7	Should not exceed 100 mg/kg
Lead and Lead salts	CAS RN 7439-92-1 See ANNEX 4	Usage ban
Mercury and Mercury compounds	CAS RN 7439-97-6 See ANNEX 5	Usage ban
Navy Blue (banned mordant dye)	EC # 405-665-4	Usage ban

Nickel	CAS RN 7440-02-0	Usage ban
Ortho-phthalates esters	See ANNEX 7	Usage ban
Poly and perfluorinated substances (PFAS)	See ANNEX 6	Usage ban
Siloxanes	See ANNEX 13	Should not exceed 500 mg/kg
Tris (2-chlorethyl) phosphate (TCEP)	CAS RN 115-96-8	Usage ban
Trixylyl phosphate	CAS RN 25155-23-1	Usage ban
Substance identification; CAS RN		
PROCESS CHEMICALS		Limit value in product
Aliphatic organic solvents	Several	Usage ban
Alkylphenol ethoxylates (APEO) and Alkylphenols (AP) For example: Nonyphenol ethoxylates (NPEO) Octylphenol ethoxylates (OPEO) Nonyphenol (NP) Octylphenol (OP)	See ANNEX 15	Usage ban
Aromatic organic solvents	Several	Usage ban
Benzene (aromatic solvent)	CAS RN 71-43-2	Should not exceed 1 mg/kg
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	CAS RN 119313-12-1	Should not exceed 100 mg/kg in products
Tris(2-methoxyethoxy)vinylsilane	CAS RN 1067-53-4	Usage ban
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	CAS RN 119-47-1	Usage ban
Chlorinated organic solvents	See ANNEX 9	Usage ban
Ethylenethiourea	CAS RN 96-45-7	Usage ban
Hydrazine	CAS RN 302-01-2	Usage ban
Imidazoles	1-vinylimidazole; CAS RN 1072-63-5 2-methylimidazole; CAS RN 693-98-1	Usage ban
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	CAS RN 71868-10-5	Should not exceed 100 mg/kg in products
2,2-bis(bromomethyl) propane 1,3-diol (BMP)	CAS RN 3296-90-0	Should not exceed 100 mg/kg in products

2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	CAS RN 36483-57-5	Should not exceed 100 mg/kg in products
Other organic solvents	See ANNEX 10	Should not exceed 100 mg/kg in products
PAH- Polycyclic aromatic hydrocarbons	See ANNEX 11	Usage ban
Quinoline	CAS RN 91-22-5	Should not exceed 20 mg/kg
Tin organic compounds Biocides; TBT, TpHT, Stabilizers: DOT, DBT	See ANNEX 12	Usage ban

BIOCIDAL AGENTS	Substance identification; CAS RN	Limit value in product
Carbendazim	CAS RN: 10605-21-7	Usage ban
Cu-HDO (Bis-(N-cyclohexyldiazeniumdioxy) -copper)	CAS RN 312600-89-8	Usage ban
Dimethylfumarate (DMFu)	CAS RN 624-49-7	Usage ban
Pentachlorophenol (PCP) All isomers of Tetrachlorophenols (TeCP)	CAS RN 87-86-5, 131-52-2	Usage ban
Permethrin	CAS RN 52645-53-1	Usage ban
PHMB 1600; 1.8	CAS RN 27083-27-8	Usage ban
Silver compounds (Ag+)	See ANNEX 16	Usage ban
Triclosan	CAS RN 3380-34-5	Usage ban
Bronopol	CAS RN 52-51-7	Usage ban
Thiram	CAS RN 137-26-8	Usage ban
Metam-sodium (sodium N-methyldithiocarbamate)	CAS RN 137-42-8	Usage ban

ANNEX 1-16

ANNEX 1

List of 27 allergenic disperse dyestuffs

C.I. Name	CAS RN
C.I. Disperse Yellow 1	119-15-3
C.I. Disperse Blue 35	12222-75-2
C.I. Disperse Blue 102	12222-97-8
C.I. Disperse Blue 106	12223-01-7
C.I. Disperse Yellow 39	12236-29-2
C.I. Disperse Orange 37/59/76	13301-61-6
C.I. Disperse Brown 1	23355-64-8
C.I. Disperse Blue 3	2475-46-9
C.I. Disperse Orange 1	2581-69-3
C.I. Disperse Yellow 3	2832-40-8
C.I. Disperse Red 11	2872-48-2
C.I. Disperse Red 1	2872-52-8
C.I. Disperse Red 17	3179-89-3
C.I. Disperse Blue 7	3179-90-6
C.I. Disperse Blue 26	3860-63-7
C.I. Disperse Yellow 49	54824-37-2
C.I. Disperse Blue 124	61951-51-7
C.I. Disperse Yellow 9	6373-73-5
C.I. Disperse Orange 3	730-40-5
Navy Blue	405-665-4 (EC #)
C.I. Disperse Blue 1	2475-45-8
C.I. Disperse Yellow 64	10319-14-9
C.I. Disperse Violet 93	122463-28-9
C.I. Disperse Yellow 23	6250-23-3
C.I. Disperse Violet 1	128-95-0
C.I. Disperse Blue 291	56548-64-2
C.I. Disperse Orange 149	85136-74-9

ANNEX 2

List of 29 banned arylamines derived from azo dyes

Name	CAS RN
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
o-Dianisidine	119-90-4
4,4'-bi-o-toluidine	119-93-7
p-Cresidine	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
Biphenyl-4-ylamine	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
5-Nitro-o-toluidine	99-55-8
4-chloro-o-toluidinium chloride	3165-93-3
2-Naphthylammoniumacetate	553-00-4
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7
2,4,5-trimethylaniline hydrochloride	21436-97-5
1,4 paraphenylene diamine	106-50-3

* SVHC substances, ** only listed in voluntary schemes such as Oeko-Tex etc

ANNEX 3

List of 15 carcinogenic dye stuffs

C.I. Name	CAS RN
C.I. Direct Brown 95	16071-86-6
C.I. Direct Black 38	1937-37-7
C.I. Disperse Blue 1	2475-45-8
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 Orange 11	82-28-0
C.I. Disperse Orange 149	85136-74-9
C.I. Solvent Blue 4	6786-83-0*
C.I. Basic Blue 26,	2580-56-5*
C.I. Basic Violet 3	548-62-9*
Michler's base	101-61-1*
Michler's ketone	90-94-8*
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1*

Trypan blue (commercial grade)	72-57-1
Acid Red 114	6459-94-5
Direct Blue 15	2429-74-5
Pigment Black 25	68186-89-0
Pigment Yellow 157	68610-24-2

***SVHC substances**

ANNEX 4 List of SVHC Lead compounds

Name	CAS RN
Lead chromate	7758-97-6
Lead sulfochromate	1344-37-2
Lead chromate molybdate sulphate	12656-85-8
Lead dipicrate	6477-64-1
Lead styphnate	15245-44-0
Lead diazide	13424-46-9
Lead hydrogen arsenate	7784-40-9
Lead monoxide (Lead oxide)	1317-36-8
Orange lead (Lead tetroxide)	1314-41-6
Lead bis(tetrafluoroborate)	13814-96-5
Trilead bis(carbonate)dihydroxide	1319-46-6
Lead titanium trioxide	12060-00-3
Lead titanium zirconium oxide	12626-81-2
Lead(II) bis(methanesulfonate)	17570-76-2
Silicic acid, lead salt	11120-22-2
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead doped	68784-75-8
Acetic acid, lead salt, basic	51404-69-4
Lead oxide sulfate	12036-76-9
[Phthalato(2-)]dioxotrilead	69011-06-9
Dioxobis(stearato)trilead	12578-12-0
Fatty acids, C16-18, lead salts	91031-62-8
Lead cyanamidate	20837-86-9
Lead dinitrate	10099-74-8
Pentalead tetraoxide sulphate	12065-90-6
Pyrochlore, antimony lead yellow	8012-00-8
Sulfurous acid, lead salt, dibasic	62229-08-7
Tetraethyllead	78-00-2
Tetralead trioxide sulphate	12202-17-4
Trilead dioxide phosphonate	12141-20-7

ANNEX 5 List of SVHC phenyl mercury substances

Name	CAS RN
Mercury (metal)	7439-97-6

Phenylmercury neodecanoat	26545-49-3
Phenylmercury octanoate	13864-38-5
Phenylmercury 2-ethylhexanoate	13302-00-6
Phenylmercury propionate	103-27-5
Phenylmercury acetate	62-38-4

ANNEX 6

Regulated per and polyfluorinated compounds (PFAS)

PFAS substances, their salts and related substances	CAS // Abbr.	SVHC//REACH annex XVII //EU POP regulation //Stockholm Convention
Perfluorobutane sulfonate	375-73-5 // PFBS	SVHC
Perfluorohexane sulfonate	355-46-4 // PFHxS	SVHC: Yes // REACH annex XVI: Proposed // Stockholm Convention: Proposed
Perfluorohexanoic acid	307-24-4 // PFHxA	Proposed // Proposed
Perfluorooctane sulfonate	307-34-6 // PFOS	EU POP regulation: Yes // Stockholm Convention: Yes
Perfluorononanoic acid and its sodium ammonium salts	375-95-1 // PFNA	SVHC: Yes // REACH annex XVII: Proposed
	21049-39-8, 4149-60-4 // PFNA	
Perfluorodecanoic acid, its sodium and ammonium salts	335-76-2 // PFDA	SVHC: Yes // REACH annex XVII: Proposed
	3108-42-7 // PFDA	
	3830-45-3 // PFDA	
Pentacosafuorotridecanoic acid	72629-94-8 // PFTTrDA	SVHC: Yes // REACH annex XVII: Proposed
Tricosafuorododecanoic acid	307-55-1 // PFDoA	SVHC: Yes // REACH annex XVII: Proposed
Henicosafuoroundecanoic acid	2058-94-8 // PFUnA	SVHC: Yes // REACH annex XVII: Proposed
Heptacosafuorotetradecanoic acid	376-06-7 // PFTA	SVHC: Yes // REACH annex XVII: Proposed
Perfluorooctane acid	335-67-1 // PFOA APFO	SVHC: Yes // REACH annex XVII: Yes // Stockholm Convention: Yes
Ammonium pentadecafluorooctanoate	3825-26-1 // PFOA APFO	
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	Various // HPFO-DA**.	SVHC: Yes

ANNEX 7

List of regulated ortho-phthalate esters (o-DAP)

Regulated ortho-phthalate esters (o-DAP)

Abbreviation

CAS RN

Bis(2-ethylhexyl) phthalate	DEHP	117-81-7
Dibutyl phthalate	DBP	84-74-2
Benzyl butyl phthalate	BBP	85-68-7
Diisononyl phthalate	DINP	28553-12-0 and 68515-48-0
Diisodecyl phthalate	DIDP	26761-40-0 and 68515-49-1
Bis(2-ethylhexyl) phthalate	DNOP	117-84-0
Diisobutyl phthalate	DIBP	84-69-5
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
Bis(2-methoxyethyl) phthalate	DMEP	117-82-8
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0
Diisopentyl phthalate	DIPP	605-50-5
N-pentyl-isopentylphthalate	PIPP	776297-69-9
Dipentyl phthalate	DPP	131-18-0
Dihexyl phthalate	DnHP	84-75-3
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters with \geq 0.3% of dihexyl phthalate (CAS 84-75-3)		68515-51-5
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate (CAS 84-75-3)		68648-93-1
Dicyclohexyl phthalate	DCHP	84-61-7
Diisohexylphthalate	DIHXP	71850-09-4

ANNEX 8

List of SVHC Boric acid, borate compounds

Name	CAS RN
Boric acid	10043-35-3 and 11113-50-1
Disodium tetraborate anhydrous;	1303-96-4, 12179-04-3, 1330-43-4
Tetraboron disodium heptaoxid, hydrate	12267-73-1
Sodium perborate; perboric acid, sodium salt	234-390-0
Sodium peroxometaborate,	7632-04-04
Disodium octaborate,	12008-41-2

ANNEX 9

List of regulated Chlorinated organic solvents

Constituent	CAS RN
Chloroform	67-66-3
1,1,2 Trichloroethane	79-00-5
1,1,2,2 Tetrachloroethane	79-34-5
1,1,1,2 Tetrachloroethane	630-20-6

Pentachloroethane	76-01-7
1,1 Dichloroethylene	75-35-4
1,4-dichlorobenzene	106-46-7
Carbon tetrachloridetetracloromethane	56-23-5
1,1,1 Trichloroethane, methyl chloroform	71-55-6
Trichloroethylene	79-01-6
1,2,3-trichloropropane	96-18-4
$\alpha,\alpha,\alpha,4$ -tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1
α,α,α -trichlorotoluene; benzotrichloride	98-07-7
α -chlorotoluene; benzyl chloride	100-44-7

ANNEX 10

List of other regulated organic solvents

Constituent	Acronym	CAS RN
N,N-dimethylformamide	DMFa	1968-12-02
N, N dimethylacetamide	DMAC	127-19-5
N-methyl-2- pyrrolidone	NMP	872-50-4
Formamide	FA	75-12-7 (used in adhesives)
Bis(2-(2-methoxyethoxy)ethyl)ether	tetraglyme	143-24-8
1,4-dioxane		123-91-1

ANNEX 11

List of PAH (= PolyAromatic Hydrocarbons) banned in EU/EEA

PAH name	CAS RN	
Benzo(j)fluoranthene	205-82-3	REACH Annex XVII
Benzo(b)fluoranthene	205-99-2	REACH Annex XVII
Benzo(k)fluoranthene	207-08-9	REACH Annex XVII
Benzo(a)phenanthrene (chrysene)	218-01-9	REACH Annex XVII
Benzo(a)pyrene	50-32-8	REACH Annex XVII
Dibenzo(a,h)anthracene	53-70-3	REACH Annex XVII
Benzo(a)anthracene	56-55-3	REACH Annex XVII
Benzo(e)pyrene	192-97-2	REACH Annex XVII
Benzo[ghi]perylene	191-24-2	SVHC
Anthracene	120-12-7	SVHC
Fluoranthene	206-44-0	SVHC
Phenanthrene	0085-01-8	SVHC
Pyrene	129-00-0	SVHC

ANNEX 12

List of some DBTs

Constituent	CAS RN	No. of carbons
R = oxide (DBTO)	818-08-6	0
R = acetate	1067-33-0	2

R = butoxide	3349-36-8	4
R = methylmaleate	15546-11-9	5
R = octanoate	4731-77-5	8
R = isoocanoate	85702-74-5	8
R = (monobutyl)maleate	15546-16-4	8
R = 2-ethylhexanoate	2781-10-4	8
R = laurate	77-58-7	12
R = palmitate	13323-63-2	16
R = stearate	5847-55-2	18
R = oleate	13323-62-1	18
R = linoleate	85391-79-3	18
R = linolenate	95873-60-2	18

ANNEX 13 Siloxanes

Abbreviation	Name	CAS RN // REACH
D4	Octamethyl cyclotetrasiloxane	556-67-2 // SVHC
D5	Decamethyl cyclopentasiloxane	541-02-6 // SVHC
D6	Dodecamethyl cyclohexasiloxane	540-97-6 // SVHC
MM (or HMDSO)	Hexamethyl disiloxane	107-46-0
MDM	Octamethyl trisiloxane	107-51-7
MD2M	Decamethyl tetrasiloxane	141-62-8
MD3M	Dodecamethyl pentasiloxane	141-63-9

ANNEX 14 Benzotriazoles (UV stabilizers)

Name	UV	CAS RN
2-benzotriazol-2-yl-4,6-di-tert-butylphenol	UV-320	3846-71-7
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-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

ANNEX 15 Alkylphenol ethoxylates (APEO) and Alkylphenols (AP)

Name		CAS RN
4-(1,1,3,3-tetramethylbutyl)phenol	4-tert-OP	140-66-9
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	4-tert-OPnEO	Various
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	4-tert-OPnEO, UVCB substance	Various
4-Nonylphenol, branched and linear (4-NP)	4-NP	Various
4-Nonylphenol, branched and linear, ethoxylated	4-NPnEO	Various
4-tert-butylphenol		98-54-4
tris(4-nonylphenyl, branched and linear) phosphite	TNPP	Various

Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP), PDDP are a part of the alkylphenols (AP) and may occur together with mixtures of APEO and other AP.		Various
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ANNEX 16

Silver compounds under review for PT9 BPR

	CAS RN
Reaction mass of titanium dioxide and silver chloride	
Silver	7440-22-4
Silver adsorbed on silicon dioxide	
Silver copper zeolite	130328-19-7
Silver nitrate	7761-88-8
Silver phosphate glass	308069-39-8
Silver sodium hydrogen zirconium phosphate	265647-11-8
Silver zeolite	
Silver zinc zeolite	130328-20-0