

| M/Y   | 247 SVHC Candidates 01/2025   | CAS No.                | parameter       | relevance for shoes and leather goods                | comment   | limit exceeding (> 0.1 %) |
|-------|---|------------------------|-----------------|--|---|---------------------------|
| 03/10 | Acrylamide  | 79-06-1                | Amides          | plastics, leather, textiles, synthetics              | monomer, dyestuff                                       | not expected              |
| 12/12 | Diazene-1,2-dicarboxamide (C,C'-azodi-(formamide))                      | 123-77-3               |                 | plastics, rubber                                     | foaming agent   | possible                  |
| 10/08 | Anthracene  | 120-12-7               | PAH             | leather<br>plastics, rubber, elastomers, foams, wood | greasing agent<br>softener, dyestuff, wood preservative | not expected              |
| 01/10 | Anthracene oil,   | 90640-80-5             |                 |  |   |                           |
| 01/10 | Anthracene oil - Anthracene-low,  | 90640-82-7             |                 |  |   |                           |
| 01/10 | Anthracene oil - Anthracene paste,                                      | 90640-81-6             |                 |  |   |                           |
| 01/10 | Anthracene oil - Anthracene fraction,                                   | 91995-15-2             |                 |  |   |                           |
| 01/10 | Anthracene oil - distn. lights  | 91995-17-4             |                 |  |   |                           |
| 06/16 | Benzo[a]pyrene  | 50-32-8                |                 |  |   |                           |
| 01/18 | Benzo[a]anthracene  | 56-55-3                |                 |  |   |                           |
| 01/18 | Chrysene  | 218-01-9               |                 |  |   |                           |
| 06/18 | Benzo[ghi]perylene  | 191-24-2               |                 |  |   |                           |
| 01/19 | Benzo[k]fluoranthen   | 207-08-9               |                 |  |   |                           |
| 01/19 | Fluoranthen   | 206-44-0<br>93951-69-0 |                 |  |   |                           |
| 01/19 | Phenanthren   | 85-01-8                |                 |  |   |                           |
| 01/19 | Pyren   | 129-00-0<br>1718-52-1  |                 |  |   |                           |
| 10/08 | 4,4'-Diamino-diphenylmethane  | 101-77-9               | Aromatic Amines | leather, textiles, synthetics, paperboard            | azo dyestuff  | not expected              |
| 12/11 | 2,2'-Dichlor-4,4'-methylene-dianiline                                   | 101-14-4               |                 | PUR  | basis for isocyanates                                   |                           |
| 12/11 | 2-Methoxyaniline (o-Anisidine)  | 90-04-0                |                 | epoxy resin, adhesives                               | bonding agent   |                           |
| 12/12 | 4,4'-Methylendi-o-toluidine (3,3'-Dimethyl-4,4'-diamino-diphenylmethan) | 838-88-0               |                 |  | chemical for synthesis                                  |                           |
| 12/12 | 4,4'-Oxidianiline and its salts   | 101-80-4               |                 |  |   |                           |
| 12/12 | o-Toluidine (2-Aminotoluene)  | 95-53-4                |                 |  |   |                           |
| 12/12 | 4-Methyl-m-phenylenediamine (2,4-Toluene-diamine)                       | 95-80-7                |                 |  |   |                           |

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| 12/12 | 6-Methoxy- <i>m</i> -toluidine ( <i>p</i> -Cresidine)  | 120-71-8   | Aromatic Amines             | leather, textiles, synthetics, paperboard                       | azo dyestuff  | not expected              |
| 12/12 | Biphenyl-4-ylamine   | 92-67-1    |                             |   |   |                           |
| 12/12 | <i>o</i> -Aminoazotoluene  | 97-56-3    |                             |   |   |                           |
| 12/12 | 4-Aminoazobenene   | 60-09-3    |                             |   |   |                           |
| 12/13 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis-(4-aminonaphthalene-1-sulphonate) (C.I. Direct red 28)  | 573-58-0   | Aromatic Amines (Benzidine) | leather, textiles, synthetics, paperboard                       | azo dyestuff  | not expected              |
| 12/13 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)-azo]-[1,1'-biphenyl]4-yl]-azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct black 38)                                   | 1937-37-7  |                             |   |   |                           |
| 12/11 | Formaldehyde, oligomeric reaction products with aniline  | 25214-70-4 | Formaldehyde                | epoxy resin, adhesives  | chemical product for processes  | not expected              |
| 07/21 | Glutaraldehyde (Glutaral)  | 111-30-8   | Aldehydes                   | Leather   | biocide leather tanning   | not expected              |
| 10/08 | short chained chlorinated paraffines, C10-13   | 05535-84-8 | Chlorinated Paraffines      | Leather, textiles, synthetics, colors, plastics, adhesives      | greasing agent<br>flame retardant<br>softener   | possible                  |
| 07/21 | middle chained chlorinated paraffines, C14-C17   | 85535-85-9 |                             |   |   |                           |
| 12/11 | 4-(1,1,3,3-Tetramethyl-butyl)-phenol (4-tert.-Octylphenol)   | 140-66-9   | Alkyl phenol                | leather<br>textiles, synthetics, plastics, adhesives,<br>rubber | production of phenolic resins, coatings, colors, and varnish; precursor for Ethoxylates (surfactants), Lubricant and grease, detergents | possible                  |
| 12/12 | 4-Nonylphenol (linear and branched and mixtures of isomers)  | -          |                             |   |   |                           |
| 01/17 | 4-heptylphenol, branched and linear  | -          |                             |   |   |                           |
| 01/18 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with $\geq 0.1\%$ w/w 4-Heptylphenol, branched and linear (4-HPbl) |            |                             |   |   |                           |
| 01/17 | 4-tert-Pentylphenol  | 80-46-6    |                             |   |   |                           |

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| 07/19 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | -                        | Alkyl phenol  | leather<br>textiles, synthetics, plastics, adhesives, rubber | production of phenolic resins, coatings, colors, and varnish; precursor for Ethoxylates (surfactants), Lubricant and grease, detergents | possible                  |
| 07/21 | Dodecylphenol, Isomere (PDDP, TPP, DDP)  | -                        |   |  |   |                           |
| 12/12 | 4-(1,1,3,3-Tetramethyl-butyl)-phenol ethoxylated (mixture of ethoxylates) (4-tert.-Octylphenol ethoxylates)                  | -                        | Alkyl phenol ethoxylate   | leather, textiles, synthetics                                | surfactant, chemical product for processes  | possible                  |
| 06/13 | 4-Nonylphenol ethoxylated (branched and linear)  | -                        |   |  |   |                           |
| 06/13 | Cadmium  | 7440-43-9                | Heavy metals after total digestion<br>Remark: Metal salts and Metal complexes can be detected using the usual methods | metall parts<br>plastics (especially PVC)                    | impurities in metal stabilizing agent   | possible                  |
| 06/13 | Cadmium oxide  | 1306-19-0                |   | plastics   | catalyst in sythesis, pigment in glass and ceramic  | not expected              |
| 06/14 | Cadmium chloride   | 10108-64-2               |   | photovoltaic modules, circuit board production               | not expected  |                           |
| 12/13 | Cadmium sulphide   | 1306-23-6                |   | catalyst in sythesis, pigment in plastics, glass and ceramic | possible  |                           |
| 12/14 | Cadmium fluoride   | 7790-79-6                |   | not relevant   | laboratory reagent  | not expected              |
| 12/14 | Cadmium sulphate   | 10124-36-4<br>31119-53-6 |   |  |   |                           |
| 01/18 | Cadmiumnitrate   | 10325-94-7               |   | plastics   | Pigments, Polymeres, Glas   | not expected              |
| 01/18 | Cadmiumhydroxide   | 21041-95-2               |   | plastics   | Pigments, Polymeres, Batteries  | not expected              |
| 01/18 | Cadmiumcarbonate   | 513-78-0                 | plastics  | Pigments, Polymeres  | not expected  |                           |

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| 10/08 | Cobalt dichloride                | 7646-79-9  | Heavy metals after total digestion<br>Remark: Metal salts and Metal complexes can be detected using the usual methods | rubber, elastomers, soft plastics<br>metal parts | Additive alloys, electroplating<br>humidity indicator in drying agents<br>catalyst, for pigments and dyestuffs, as coloring for glazes | possible                          |              |
| 12/10 | Cobalt-(II)-carbonate            | 513-79-1   |   |  |  | not expected                      |              |
| 12/10 | Cobalt-(II)-diacetate            | 71-48-7    |   | Wood   |  | wood preservative, strong oxidant | not expected |
| 12/10 | Cobalt-(II)-dinitrate            | 10141-05-6 |   |  |  |                                   |              |
| 12/10 | Cobalt-(II)-sulfate              | 10124-43-3 |   |  |  |                                   |              |
| 12/10 | Chromium trioxide                | 1333-82-0  |   |  |  |                                   |              |
| 12/10 | Chromic acid and all oligomers   | 7738-94-5  |   |  |  |                                   |              |
| 12/10 | Dichromic acid and all oligomers | 13530-68-2 |   |  |  |                                   |              |
| 06/10 | Trichloroethylene                | 79-01-6    | VOC   | adhesives, leather, textiles                     | solvent, degreasing agent or cleaning agent  | possible                          |              |
| 06/11 | 1,2,3-Trichloropropane           | 96-18-4    |   | Vinyl chloride                                   |  |                                   |              |
| 12/11 | 1,2-Dichloroethane               | 107-06-2   |   | leather, textiles, synthetics                    | solvent for leather and textile coatings, intermediate product of colors or varnish  | possible                          |              |
| 06/11 | 1-Methyl-2-pyrrolidone (NMP)     | 872-50-4   |   | textiles, synthetics                             | solvent for leather and textile coatings   |                                   |              |
| 12/11 | N,N-Dimethylacetamide (DMAC)     | 127-19-5   |   |  |  |                                   |              |
| 12/12 | N,N-Dimethylformamide (DMFA)     | 68-12-2    |   |  |  |                                   |              |
| 06/12 | Formamide                        | 75-12-7    |   | coatings, plastics                               | softener   |                                   |              |
| 01/10 | 2,4-Dinitrotoluene               | 121-14-2   |   | leather, textiles, synthetics<br>PUR, plastics   | intermediate product of azo dyestuff; basis for isocyanates, additive in the plastic industry; can appear together with DBP            | not expected                      |              |
| 12/12 | 1-Bromopropane                   | 106-94-5   |   | plastics   | solvent or degreasing agent  |                                   |              |
| 12/10 | 2-Ethoxyethanol                  | 110-80-5   |   |  |  |                                   |              |
| 12/10 | 2-Methoxyethanol                 | 109-86-4   | varnishes, leather, textiles, adhesives, dyes, polymers   | solvent, leather finish, textile finishing       |  |                                   |              |
| 06/11 | 2-Ethoxyethylacetate             | 111-15-9   |   |  |  |                                   |              |

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| 06/11          | Hydrazine   | 302-01-2 / 7803-57-8 | VOC        | synthetics, adhesives   | intermediate product of foaming agents, colors and flame retardants | not expected              |
| 12/11          | Bis-(2-methoxyethyl)-ether (Diethylenglycoldimethylether)                       | 111-96-6             |            | adhesives   | solvent in textile production and textile coatings                  | not expected              |
| 12/12          | Furan   | 110-00-9             |            |   | solvent in the production of industrial chemicals                   | not expected              |
| 07/19          | 2-methoxyethyl acetate  | 110-49-6             |            | Nitro cellulose, textile print  | solvent   | possible                  |
| 07/21          | 1,4-Dioxane   | 123-01-1             |            | Rubber  | solvent   | not expected              |
| 10/08<br>01/24 | Dibutyl phthalate (DBP)   | 84-74-2              | Phthalates | plastics (especially PVC), synthetics, colors, epoxy resin, adhesives, coatings, metal working fluids, washing and cleaning products, laboratory chemicals and polymers | softener  | possible                  |
| 12/14          | Bis-(2-ethylhexyl)-phthalate (DEHP)   | 117-81-7             |            |   |   |                           |
| 10/08          | Benzyl butyl phthalate (BBP)  | 85-68-7              |            |   |   |                           |
| 01/10          | Diisobutyl phthalate (DIBP)   | 84-69-5              |            |   |   |                           |
| 06/11          | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4           |            |   |   |                           |
| 06/11          | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)     | 71888-89-6           |            |   |   |                           |
| 12/11          | Bis-(2-methoxyethyl)-phthalate (BMEP)   | 117-82-8             |            |   |   |                           |
| 06/13          | Di- <i>n</i> -pentyl phthalate (DPP)  | 131-18-0             |            |   |   |                           |
| 12/12          | Diisopentyl phthalate (DIPP)  | 605-50-5             |            |   |   |                           |
| 12/12          | <i>n</i> -Pentyl-isopentyl phthalate (PIPP)                                     | 776297-69-9          |            |   |   |                           |
| 12/12          | 1,2-Benzenedicarboxylic acid, dipentylester branched and linear                 | 84777-06-0           |            |   |   |                           |
| 12/13          | 1,2-Benzenedicarboxylic acid, dihexylester branched and linear                  | 84-75-3              |            |   |   |                           |
| 06/14          | Dihexyl phthalate (DnHP)  | 68515-50-4           |            |   |   |                           |

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| 06/15 | 1,2-Benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of diehexyl phthalate        | 68515-51-5<br>69648-93-1  | Phthalates        | plastics (especially PVC), synthetics, colors, epoxy resin, adhesives, coatings | softener   | possible                  |
| 06/18 | Dicyclohexylphthalate (DCHP)  | 84-61-7   |                   |   |  |                           |
| 01/20 | Diisohexyl phthalate  | 71850-09-4  |                   |   |  |                           |
| 12/12 | Hexahydro-2-benzofuran-1,3,dione<br>cis-cyclohexane-1,2-dicarboxylic anhydride<br>trans-cyclohexane-1,2-dicarboxylic anhydride  | 85-42-7<br>13149-00-3<br>14166-21-3                                 | Phthalate analogs | plastics  | Process additive in Polyester production, softener in plastics               | possible                  |
| 12/12 | Hexahydromethylphthalic anhydride   | 25550-51-0  |                   |   |  |                           |
|       | Hexahydro-4-methylphthalic anhydride  | 19438-60-9  |                   |   |  |                           |
|       | Hexahydro-1-methylphthalic anhydride  | 48122-14-1  |                   |   |  |                           |
|       | Hexahydro-3-methylphthalic anhydride  | 57110-29-9  |                   |   |  |                           |
| 10/08 | Hexabromocyclododecane (HBCDD) and all major diastereomers ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)  | 25637-99-4<br>3194-55-6<br>134237-50-6<br>134237-51-<br>134237-52-8 | Flame Retardant   | textiles, synthetics, plastics, leather   | electrical appliances furniture; softener for plastics additive in fatliquor | possible                  |
| 12/12 | Bis-(pentabromophenyl)-ether (DecaBDE)  | 1163-19-5   |                   |   |  |                           |
| 01/10 | Tris-(2-chloroethyl)-phosphate  | 115-96-8  |                   |   |  |                           |
| 12/13 | Trixylyl phosphate  | 25155-23-1  |                   |   |  |                           |
| 11/24 | Triphenyl Phosphat  | 115-86-6  |                   |   |  |                           |
| 01/18 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-dien ("Dechlorane Plus"™, DP oder DPMA)  | 13560-89-9  |                   |   |  |                           |
|       |   | 135821-74-8   |                   |   |  |                           |
|       |   | 135821-03-3   |                   |   |  |                           |
| 07/21 | 2,2-Bis(brommethyl)- propan-1,3-diol (BMP)<br>2,2-Dimethylpropan-1-ol, Tribrom-Derivat / 3-Brom-2,2-bis(brommethyl)- 1-propanol (TBNPA)<br>2,3-Dibrom-1-propanol (2,3-DBPA) | 3296-90-0   |                   |   |  |                           |
|       |   | 36483-57-5 /  |                   |   |  |                           |
|       |   | 1522-92-5<br>96-13-9  |                   |   |  |                           |

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| 01/23 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof   | 26040-51-7 |                       | PVC                                      | Used as a flame retardant and as a plasticiser for flexible polyvinylchloride and for use in wire and cable insulation, film and sheeting, carpet backing, coated fabrics, wall coverings and adhesives. | possible                  |
| 01/23 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Tetrabrombisphenol-A; TBBPA)   | 79-94-7    |                       | Leather, Textiles, Paper, Lasting Boards | Used as a reactive flame retardant and as an additive flame retardant in the manufacture of polymer resins, in products such as epoxy coated circuit boards, printed circuit boards, paper and textiles. | possible                  |
| 01/23 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] , BTBPE   | 37853-59-1 |                       | Not relevant                             | Flammschutzmittel in Polystyrol, Thermoplasten und Kunstharzen, Elektrogeräte  | not expected              |
| 10/08 | Bis-(tributyltin)-oxid (TBTO)  | 56-35-9    |                       |  | biocide  | not expected              |
| 12/12 | Dibutyl tin dichloride (DBT)   | 683-18-1   |                       |  |  |                           |
| 12/14 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | 15571-58-1 |                       |  |  |                           |
| 12/14 | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE, MOTE) | -          | Tin-organic compounds | textiles, synthetics, plastics, coatings | stabilizing agent, catalyst, additive in the production of plastics and rubber tyres.  | possible                  |
| 07/20 | Dibutylbis(pentan-2,4-dionato-O,O')tin   | 22673-19-4 |                       |  |  |                           |
| 01/21 | Diocyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety                                | -          |                       |  |  |                           |

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| 10/08 | Sodium dichromate  | 7789-12-0                                | Chromium VI   | leather, wool<br>textiles, synthetics,<br>plastics metals, coatings   | formed from Chromium III by<br>oxidation<br>dyestuff, pigments application in<br>the aeronautics, steel production<br>corrosion prevention | not expected              |
| 06/10 | Sodium chromate  | 7775-11-3                                |   |   |  |                           |
| 06/10 | Potassium chromate   | 7789-00-6                                |   |   |  |                           |
| 06/10 | Potassium dichromate                                       | 7778-50-9                                |   |   |  |                           |
| 06/10 | Ammonium dichromate  | 7789-09-5                                |   |   |  |                           |
| 01/10 | Lead chromate  | 7758-97-6                                |   |   |  |                           |
| 06/11 | Strontium chromate   | 7789-06-2                                |   |   |  |                           |
| 12/11 | Dichromium tris-(chromate)                                 | 24613-89-6                               |   |   |  |                           |
| 12/11 | Potassium hydroxyoctaoxidizincate-dichromate (zinc yellow) | 11103-86-9                               |   |   |  |                           |
| 12/11 | Pentazinc chromate octahydroxide (alkali free zinc yellow) | 49663-84-5                               |   |   |  |                           |
| 10/08 | Triethyl arsenate  | 15606-95-8                               | Heavy metals<br>after total<br>digestion<br>Remark: Metal salts<br>and Metal complexes<br>can be detected<br>using the usual<br>methods | textiles, wood  | biocide, wood preservative   | possible                  |
| 10/08 | Diarsenic pentaoxide                                       | 1303-28-2                                |   | PVC   | stabilizing agent  | not expected              |
| 10/08 | Diarsenic trioxide   | 1327-53-3                                |   |   |  |                           |
| 10/08 | Lead hydrogen arsenate                                     | 7784-40-9                                |   | not relevant  | smelting of copper, production of<br>arsenic trioxide  | not expected              |
| 12/11 | Calcium arsenate   | 7778-44-1                                |   |   |  |                           |
| 12/11 | Trilead arsenate   | 3687-31-8                                |   |   |  |                           |
| 12/11 | Arsenic acid   | 7778-39-4                                |   |   |  |                           |
| 07/21 | o-Boric acid, sodium salt                                  | 13840-56-7                               |   | Heavy metals<br>after total<br>digestion<br>Remark: Metal salts<br>and Metal complexes<br>can be detected<br>using the usual<br>methods | rubber, adhesives  | biocide, flame retardant  |
| 06/10 | Boric acid   | 10043-35-3 /<br>11113-50-1               |   |   |  |                           |
| 06/10 | Disodium tetraborate, anhydrous                            | 1330-43-4 /<br>12179-04-3 /<br>1303-96-4 |   |   |  |                           |
| 06/10 | Tetraboron disodium heptaoxide, hydrate                    | 12267-73-1                               |   |   |  |                           |



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| 06/12 | Diboron trioxide  | 1303-86-2  | Heavy metals after total digestion<br>Remark: Metal salts and Metal complexes can be detected using the usual methods | rubber, adhesives   | biocide, flame retardant  | possible  |          |   |              |
| 06/14 | Sodium peroxometaborate                                     | 7632-04-4  |   | not relevant  | bleaching agent, used in detergents, cosmetic products  | not expected  |          |   |              |
| 06/14 | Sodium perborate; perboric acid, sodium salt                | -          |   | not relevant  | anti-freeze products, heat transfer fluids, lubricants and greases, and washing and cleaning products | not expected  |          |   |              |
| 06/18 | Disodiumoctaborate  | 12008-41-2 |   | Coatings, Prints  | Used in paints and coatings.  | not expected  |          |   |              |
| 01/23 | Barium diboron tetraoxide                                   | 13701-59-2 |   | Heavy metals after total digestion<br>Remark: Metal salts and Metal complexes can be detected using the usual methods | plastics  | stabilizing agent for plastics e.g. construction industry | possible |   |              |
| 12/12 | lead oxide sulfate  | 12036-76-9 | electronic articles, lead crystal glass   |   |   |   |          | inter alia electronic and optical parts, batteries, crystal glass |              |
| 12/12 | [Phthalato-(2-)]-dioxotrilead                               | 69011-06-9 |   |   |   |   |          |   |              |
| 12/12 | Dioxobis-(stearato)-trilead                                 | 12578-12-0 | leather, textiles, synthetics, plastics   |   |   |   |          | dye stuff, pigments   | not expected |
| 12/12 | Fatty acids, C16-18, lead salts                             | 91031-62-8 |   |   | Lead oxide (Leadmonoxide)   | Lead tetroxide (orange lead)                              |          |   |              |
| 12/12 | Lead oxide (Leadmonoxide)                                   | 1317-36-8  | Pentalead tetraoxide sulphate   |   |   |   |          | Sulfurous acid, lead salt, dibasic                                |              |
| 12/12 | Lead tetroxide (orange lead)                                | 1314-41-6  |   |   | Tetralead trioxide sulphate   | Trilead dioxide phosphonate                               |          |   |              |
| 12/12 | Pentalead tetraoxide sulphate                               | 12065-90-6 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)   |   |   |   |          | Lead sulfochromate yellow (C.I. Pigment Yellow 34)                |              |
| 12/12 | Sulfurous acid, lead salt, dibasic                          | 62229-08-7 |   |   | 12656-85-8  | 1344-37-2   |          |   |              |
| 12/12 | Tetralead trioxide sulphate                                 | 12202-17-4 |   |   |   |   |          |   |              |
| 12/12 | Trilead dioxide phosphonate                                 | 12141-20-7 |   |   |   |   |          |   |              |
| 01/10 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 |   |   |   |   |          |   |              |
| 01/10 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)          | 1344-37-2  |   |   |   |   |          |   |              |

| M/Y   | 247 SVHC Candidates 01/2025                                      | CAS No.    | parameter   | relevance for shoes and leather goods  | comment   | limit exceeding (> 0.1 %) |   |                             |              |
|-------|--|------------|---|--|---|---------------------------|---|-----------------------------|--------------|
| 12/11 | Lead azide, Lead diazide   | 13424-46-9 | Heavy metals after total digestion<br>Remark: Metal salts and Metal complexes can be detected using the usual methods | not relevant   | initiating explosives in detonator caps or ammunition   | not expected              |   |                             |              |
| 12/11 | Lead styphnate   | 15245-44-0 |   |  |   |                           |   |                             |              |
| 12/11 | Lead dipicrate   | 6477-64-1  |   |  |   |                           |   |                             |              |
| 06/12 | Lead-(II)-bis-(methansulfonate)                                  | 17570-76-2 |   | not relevant   | electronic components (printed board)<br>intermediate product in chemical industry<br>production of semiconductors surface treatment of metals (galvanic and electro plating) |                           |   |                             |              |
| 12/12 | Acetic acid, lead salt, basic, Lead-(II)-hydroxy acetate (1:1:1) | 51404-69-4 |   |  |   |                           |   |                             |              |
| 12/12 | Trilead bis(carbonate) dihydroxide (basic lead carbonate)        | 1319-46-6  |   |  |   |                           |   |                             |              |
| 12/12 | Lead titanium trioxide   | 12060-00-3 |   |  |   |                           |   |                             |              |
| 12/12 | Lead titanium zirconium oxide                                    | 12626-81-2 |   |  |   |                           |   |                             |              |
| 12/12 | Lead bis(tetrafluoroborate)                                      | 13814-96-5 |   |  |   |                           |   |                             |              |
| 12/12 | Lead cyanamidate   | 20837-86-9 |   |  |   |                           |   |                             |              |
| 12/12 | Lead dinitrate   | 10099-74-8 |   |  |   |                           | Process additive in production of dyestuffs and varnishes |                             |              |
| 12/12 | Sillic acid, lead salt   | 11120-22-2 |   |  |   |                           | not relevant  | production of crystal glass | not expected |
| 12/12 | Tetraethyllead   | 78-00-2    |   |  |   |                           |   | Additive for fuels          |              |
| 12/12 | Pyrochlore, antimony lead yellow                                 | 8012-00-8  |   | pigment for paint, varnish   |   |                           |   |                             |              |
| 12/12 | Sillic acid, barium salt, lead-doped                             | 68784-75-8 |   | coating for glass  |   |                           |   |                             |              |
| 12/13 | Lead di(acetate)   | 301-04-2   |   | paint stripper   |   |                           |   |                             |              |
| 06/18 | Lead   | 7439-92-1  |   | Metal Parts, catalyst in plastic production used as salt or in organic compounds | Metals, Plastics  | possible                  |   |                             |              |

| M/Y   | 247 SVHC Candidates 01/2025  | CAS No.    | parameter         | relevance for shoes and leather goods          | comment  | limit exceeding (> 0.1 %) |
|-------|--|------------|-------------------|--|--|---------------------------|
| 12/14 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 3846-71-7  | UV Stabilizers    | plastics, coated materials, microfiber, paints | UV stabilizer in multiple plastics and coatings. In air care products, adhesives and sealants, lubricants and greases, polishes and waxes and washing and cleaning products. | possible                  |
| 12/14 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 25973-55-1 |                   |  |  |                           |
| 12/15 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)-phenol (UV-327)  | 3864-99-1  |                   |  |  |                           |
| 12/15 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)-phenol (UV-350)  | 36437-37-3 |                   |  |  |                           |
| 01/24 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (Octrizol UV-329)  | 3147-75-9  |                   |  |  |                           |
| 01/24 | Bumetrizole (UV 326, Tinuvin)  | 3896-11-5  |                   |  |  |                           |
| 01/19 | 3-BC or 3-Benzylidencampher or 1,7,7-Trimethyl-3-(phenylmethylen) bicyclo[2.2.1]heptan-2-on)   | 15087-24-8 | UV Filter         | Not relevant                                   | Cosmetics  | not expected              |
| 06/12 | 4,4'-bis(dimethylamino)-4''-(methylamino)-trityl alcohol [with ≥ 0.1% of Michler's ketone]   | 561-41-1   | Michler's reagent | textiles, synthetics, plastics                 | Michler's ketone: additive compound and intermediate of dyes and pigments writing inks and other inks, purifiers, coatings paper dyeing                                      | not expected              |
| 06/12 | [4-[4,4'-bis(dimethylamino)-benz-hydrylidene]-cyclohexa-2,5-dien-1-ylidene]-dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone]                    | 548-62-9   |                   |  |  |                           |
| 06/12 | 4,4'-bis(dimethylamino)-benzophenone (Michler's ketone)  | 90-94-8    |                   |  |  |                           |
| 06/12 | [4-[[4-anilino-1-naphthyl]-[4-(dimethylamino)-phenyl]-methylene]-cyclo-hexa-2,5-dien-1-ylidene]-dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone] | 2580-56-5  |                   |  |  |                           |
| 06/12 | α,α-Bis[4-(dimethylamino)phenyl]-4-(phenyl-amino)-naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone]   | 6786-83-0  |                   |  |  |                           |
| 06/12 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 101-61-1   |                   |  |  |                           |

| M/Y   | 247 SVHC Candidates 01/2025  | CAS No.   | parameter                    | relevance for shoes and leather goods   | comment   | limit exceeding (> 0.1 %) |                   |   |          |
|-------|--|---|------------------------------|---|---|---------------------------|-------------------|---|----------|
| 12/12 | Propylene oxide (1,2-epoxypropane, Methyloxirane)  | 75-56-9   | Epoxide                      | Leather, textiles, synthetics, plastics | Monomer of polymers, surfactants and dyeing auxiliary | not expected              |                   |   |          |
| 12/13 | Imidazolidine-2-thione; 2-Imidazolline-2-thiol   | 96-45-7   | Imidazoles                   | Neoprene, polyacryl-rubber              | Additive vulcanization                                | possible                  |                   |   |          |
| 07/20 | 2-Methylimidazole  | 693-98-1  |                              | Paints, Laquers, Coatings, Adhesives    | Polymerization of plastics                            | not expected              |                   |   |          |
| 07/20 | 1-Vinylimidazole   | 1072-63-5   |                              |   |   |                           |                   |   |          |
| 06/12 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)   | 2451-62-9   | Isocyanuric acid derivatives | coatings, adhesives, plastics           | hardener in resins and coatings                       | not expected              |                   |   |          |
| 06/12 | 1,3,5-Tris[(2S,2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)  | 59653-74-6  |                              |   |   |                           |                   |   |          |
| 12/12 | Pentacosafuorotridecanoic acid   | 72629-94-8  | PFAS                         | textiles, leather                       | water-repellent finishes for shoes and apparel        | possible                  |                   |   |          |
| 12/12 | Tricosafuorododecanoic acid  | 307-55-1  |                              |   |   |                           |                   |   |          |
| 12/12 | Henicosafuoroundecanoic acid   | 2058-94-8   |                              |   |   |                           |                   |   |          |
| 12/12 | Heptacosafuorotetradecanoic acid   | 376-06-7  |                              |   |   |                           |                   |   |          |
| 06/13 | Pentadecafluorooctanoic acid (PFOA)  | 335-67-1  |                              |   |   |                           |                   |   |          |
| 06/13 | Ammonium pentadecafluorooctanoate (APFO)   | 3825-26-1   |                              |   |   |                           |                   |   |          |
| 12/15 | Perfluorononan-1-oic-acid and its sodium and ammonium salt   | 375-95-1 plus salts                               |                              |   |   |                           |                   |   |          |
| 01/17 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts   | 335-76-2 plus salts                               |                              |   |   |                           |                   |   |          |
| 07/17 | Perfluorhexane-1-sulphonic acid and its salts (PFHxS)  | -   |                              |   |   |                           |                   |   |          |
| 01/20 | Perfluorobutane sulfonic acid (PFBS) and its salts   | 375-73-5 plus salts                               |                              |   |   |                           |                   |   |          |
| 07/19 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (HFPO-DA, GenX)                             | -   |                              |   |   |                           | Plastics          | Degradation product of PFOA, used in Fluorinated Polymers | possible |
| 01/23 | Perfluoroheptanoic acid and its salts<br>Ammonium perfluoroheptanoate<br>Potassium perfluoroheptanoate<br>Sodium perfluoroheptanoate | 375-85-9<br>6130-43-4<br>21049-36-5<br>20109-59-5 |                              |   |   |                           | Leather, Textiles | water-repellent finishes for shoes and apparel            | possible |

| M/Y   | 247 SVHC Candidates 01/2025   | CAS No.                             | parameter   | relevance for shoes and leather goods       | comment   | limit exceeding (> 0.1 %) |
|-------|---|-------------------------------------|-------------|---|---|---------------------------|
| 01/17 | Bisphenol A (BPA)<br>(4,4'-isopropylidenediphenol)                      | 80-05-7                             | Bisphenoles | Adhesives, Polycarbonat                     | Epoxid resins and in polycarbonat   | possible                  |
| 01/19 | BisP-MIBK (2,2-Bis (4'-hydroxyphenyl) -4-methylpentane)                 | 6807-17-6                           | Bisphenoles |   |   |                           |
| 07/21 | (Bisphenol B, BPB)<br>4,4'-(1-Methylpropyliden)bisphenol                | 77-40-7                             | Bisphenoles |   |   |                           |
| 01/23 | 4,4'-sulphonyldiphenol<br>Bisphenol S; BPS                              | 80-09-1                             | Bisphenoles | Leather, Textiles, Paper, Lasting Boards    | Used for the manufacture of pulp, paper and paper products, textile, leather or fur, and chemicals. | possible                  |
| 01/22 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol<br>(Vulkanox BKF, Anti Ox) | 119-47-1                            | Bisphenoles | Rubbers, lubricants, adhesives, inks, fuels | Preservative, anti-aging agent for rubber, antioxidant  | possible                  |
| 02/11 | Phenolphthalein   | 77-09-8                             | -           | not relevant                                | laboratory reagent  | not expected              |
| 06/12 | 1,2-Dimethoxyethane, ethylene glycol dimethyl ether (EGDME)             | 110-71-4                            | VOC         | not relevant                                | solvent for chemical synthesis  | not expected              |
| 06/12 | 1,2-Bis(2-methoxy-ethoxy)-ethane; (TEGDME, triglyme)                    | 112-49-2                            |             | not relevant                                | solvent for chemical synthesis  | not expected              |
| 12/12 | 1,2-Diethoxyethane (EGDEE, diethyl glycol)                              | 629-14-1                            |             | not relevant                                | solvent for chemical synthesis  | not expected              |
| 01/21 | Bis(2-(2-methoxyethoxy)ethyl)ether                                      | 143-24-8                            |             | not relevant                                | Solvent/extraction agent.   | not expected              |
| 10/08 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                      | 81-15-2                             | Fragrance   | not relevant                                | cosmetics   | not expected              |
| 07/21 | 2-(4-tert-Butylbenzyl)propionaldehyd and Stereoisomeres                 | 80-54-6<br>75166-30-2<br>75166-31-3 | Fragrance   | not relevant                                | cosmetics   | not expected              |

| M/Y   | 247 SVHC Candidates 01/2025  | CAS No.  | parameter | relevance for shoes and leather goods | comment  | limit exceeding (> 0.1 %) |
|-------|--|--|-----------|---------------------------------------|--|---------------------------|
| 01/10 | Pitch, coal tar, high temperature  | 65996-93-2   |           |                                       | steel industry, coal and coke fabrication  | not expected              |
| 12/15 | 1,3-Propansultone  | 1120-71-4  |           |                                       | intermediate in synthesis of chemicals   |                           |
| 12/11 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)  | -  |           |                                       | electrical and home appliances, high temperature isolation in industrial facilities, fire prevention |                           |
| 12/11 | Aluminosilicate Refractory Ceramic Fibres (RCF)  | -  | -         | Not relevant                          |  |                           |
| 12/12 | Diethyl sulfate  | 64-67-5  |           |                                       | industrial intermediate, laboratory reagent  |                           |
| 12/12 | Dimethyl sulfate   | 77-78-1  |           |                                       |  |                           |
| 12/12 | Dinoseb (2-(1-Methylpropyl)-4,6-dinitrophenol; DNBP)   | 88-85-7  |           |                                       | intermediate in synthesis of chemicals   |                           |
| 12/12 | Methoxy acetic acid  | 625-45-6   |           |                                       |  |                           |
| 12/12 | N-Methylacetamid   | 79-16-3  |           |                                       | Process additive   |                           |
| 12/12 | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 143860-04-2  |           |                                       | biocide in lubricants, hardening agent for PUR   |                           |
| 06/15 | 5-Sec-Butyl-2-(2,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxan [1], 5-Sec-Butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxan [2] [covering any of the individual isomers of [1] or [2] or any combination thereof] | 117933-89-8<br>343934-04-3<br>343934-05-4<br>676367-02-5<br>676367-03-6<br>676367-04-7<br>676367-05-8<br>676367-06-9<br>676367-07-0<br>676367-08-1<br>676367-09-2<br>186309-28-4 | -         | not relevant                          | Process additive<br>Intermediate in synthesis of chemicals   | not expected              |
| 12/15 | Nitrobenzene   | 98-95-3  | -         | not relevant                          | Process additive<br>Intermediate in synthesis of chemicals   | not expected              |

| M/Y   | 247 SVHC Candidates 01/2025  | CAS No.      | parameter             | relevance for shoes and leather goods                            | comment  | limit exceeding (> 0.1 %) |
|-------|--|--------------|-----------------------|--|--|---------------------------|
| 06/18 | Octamethylcyclotetrasiloxane (D4)  | 556-67-2     | Silicons<br>Siloxanes | Silicone, Silicone or Siloxane coated materials, Finish Products | Silicones, Cosmetics, care products, Automotive care products                                    | possible                  |
| 06/18 | Decamethylcyclopentasiloxane (D5)  | 541-02-6     |                       |  |  |                           |
| 06/18 | Dodecamethylcyclohexasiloxane (D6)   | 540-97-6     |                       |  |  |                           |
| 01/25 | Octamethyltrisiloxane  | 107-51-7     |                       |  |  |                           |
| 06/18 | Terphenyl, hydrogenated  | 61788-32-7   | -                     | Prints   | plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids | not expected              |
| 06/18 | Ethylenediamine (EDA)  | 107-15-3     | -                     | Not relevant   | Adhesives, coating products, fillers, putties, plasters, modelling clay, pH regulators           | not expected              |
| 06/18 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA) Trimellitacidanhydride  | CAS 552-30-7 | Organic Acids         | Not relevant   | Production of esters polymers  | not expected              |
| 07/19 | 4-tert-butylphenol   | 98-54-4      |                       | Adhesives, Plastics (PC)   | Allergenic   | possible                  |
| 01/20 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one   | 71868-10-5   | -                     | Adhesives Plastics, Coatings, Prints                             | Photoinitiator UV Hardener for plastics, laquers, adhesives                                      | not expected              |
| 01/20 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone  | 119313-12-1  | -                     |  |  |                           |
| 07/20 | Butyl 4-hydroxybenzoate  | 94-26-8      | -                     | Cosmetics, medicaments   | Preserving agent   | not expected              |
| 01/22 | tris(2-methoxyethoxy)vinylsilane   | 1067-53-4    | -                     | Rubbers, plastics, sealants                                      | adhesion promoter crosslinker  | possible                  |
| 01/22 | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | -            | -                     | Cosmetics  | UV Absorber  | not expected              |

| M/Y   | 247 SVHC Candidates 01/2025   | CAS No.      | parameter                | relevance for shoes and leather goods  | comment  | limit exceeding (> 0.1 %)  |
|-------|---|--------------|--------------------------|--|--|--|
| 01/22 | S-(tricyclo(5.2.1.0 <sup>2</sup> ,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8  | -                        | Lubricants, greases  | Additive, Lubricant  | not expected   |
| 06/22 | N-(hydroxymethyl)acrylamide   | 924-42-5     | -                        | Plastics, Glue, Textiles   | Additive, anti-crease  | not expected   |
| 01/23 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine   | EG:473-390-7 |                          |  | Used in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.                 | not expected   |
| 01/23 | Melamine  | 108-78-1     |                          | Leather, Textiles, Coatings, Glues   | Used in polymers and resins, coating products, adhesives and sealants, leather treatment products, and laboratory chemicals. Flame retardant         | possible   |
| 01/23 | Isobutyl 4-hydroxybenzoate  | 4247-02-3    |                          | Coatings, Prints   | Used in the manufacture of substances and in coating products, fillers, putties, plasters, modelling clay, and inks and toners.                      | not expected   |
| 06/23 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine Oxide (TPO, Methanone)  | 75980-60-8   | Organo-phosphor-compound | Adhesives<br>Light-curing plastics<br>3D printing  | Photoinitiator, Inks and toners, coating products, photo-chemicals, polymers, adhesives and sealants and fillers, putties, plasters, modelling clay. | possible in the product (e.g. adhesive), not to be expected in the article |
| 06/23 | Bis(4-chlorophenyl) sulphone  | 80-07-9      | -                        | Rubber (fluoropolymers)<br>Thermoplastics (PES, PESU, PSU, PPSU),<br>Flame retardants (plastics) | Manufacture of chemicals, plastic and rubber, Processing additive, flame retardant, epoxy hardener   | not to be expected when fully polymerized                                  |



| M/Y   | 247 SVHC Candidates 01/2025  | CAS No.      | parameter | relevance for shoes and leather goods                                       | comment  | limit exceeding (> 0.1 %)                 |
|-------|--|--------------|-----------|---|--|---|
| 01/24 | 2,4,6-tri-tert-butylphenol (TTBP)  | 732-26-3     |           | Solvent   | Manufacture of another substance; formulation of mixtures and in fuel products.  | not expected                              |
| 01/24 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (Omnirad 379, Irgacure 379) | 119344-86-4  |           | Plastics, Coated Materials, Microfiber                                      | Photoinitiator, Inks and toners, coating products.   | not expected                              |
| 01/24 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol                                   | -            |           | Adhesives, glue   | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, inks and toners and polymers.                            | possible                                  |
| 06/24 | Bis(α,α-dimethylbenzyl)peroxide<br>Dicumylperoxide   | 80-43-3      | -         | Crosslinking agent (EVA)<br>vulcanizing agent, hardener<br>Flame retardants | In plastics  | not to be expected when fully polymerized |
| 01/25 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid                               | 2156592-54-8 |           |   | Hydraulic fluids, lubricants, greases, metal working fluids  | not expected                              |
| 01/25 | O,O,O-triphenyl phosphorothioate (TPPT)  | 597-82-0     |           |   | Lubricants, greases, cooling liquids in refrigerators and electric heaters, hydraulic liquids  | not expected                              |
| 01/25 | Perfluamine  | 338-83-0     |           |   | Manufacture of electrical, electronic and optical equipment and machinery and vehicles, cooling liquids in refrigerators and electric heaters. | not expected                              |
| 01/25 | Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives                               | 192268-65-8  |           |   | Lubricants and greases, cooling liquids in refrigerators and electric heaters, hydraulic liquids   | not expected                              |