



REACH Certificate of Compliance

Adam Tech fully supports and hereby certifies complete conformance to the requirements of REACH's 181 SVHC (Substances of Very High Concern), the European Community Regulation standard about chemicals and their safe use (EC 1907/2006) which is a new law entered into force on 1 June 2007 which will be phased in until year 2018.

Adam Tech is committed to providing safe products consistent with the improvement and protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances.

Adam Tech currently conforms up to January 15th 2018 **Amendment R** and will continue to conform to the requirements of REACH as new amendments are released. Specifically, the below listed chemical substances are not present in our products for quantities totaling over one ton per producer a year, and are not present above a concentration of 0.1% by weight.

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|------------------------------------|----------|----------|---|-------------------|
| 1 | Anthracene | 120-12-7 | ■ | https://echa.europa.eu/documents/10162/143cd93d-ee58-40c1-b0f1-3713cbb11535 | 10/28/2008 |
| 2 | 4,4'-Diaminodiphenylmethane | 101-77-9 | ■ | https://echa.europa.eu/documents/10162/68f50f10-f55f-40be-9d1b-4fbfdec7f96 | 10/28/2008 |
| 3 | Benzyl butyl phthalate | 85-68-7 | ■ | https://echa.europa.eu/documents/10162/7cad31ee-4818-4166-9212-b39ca33240bb | 10/28/2008 |
| 4 | Bis(2-ethyl(hexyl)pphtalate)(DEHP) | 117-81-7 | ■ | https://echa.europa.eu/documents/10162/30b654ce-1de3-487a-8696-e05617c3173b | 10/28/2008 |
| 5 | Dibutyl phthalate | 84-74-2 | ■ | https://echa.europa.eu/docu | 10/28/2008 |

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| | | | | ments/10162/d33fd29e-5170-440f-8c16-10ecd87cf472 | |
| 6 | Cobalt dichloride | 7646-79-9 | ■ | https://echa.europa.eu/documents/10162/5633d67c-a61b-4bab-b6c5-c4a61cc99e00 https://echa.europa.eu/documents/10162/39173d0d-3258-4f23-ab18-a586bcb39567 | 10/28/2008 6/20/2011 |
| 7 | Sodium dichromate, dehydrate | 7789-12-0 | ■ | https://echa.europa.eu/documents/10162/0594aba7-e06e-45bd-807d-3eb9bd74024c | 10/28/2008 |
| 8 | Lead hydrogen arsenate | 7784-40-9 | ■ | https://echa.europa.eu/documents/10162/ebdb28e4-ea63-4f11-8b2e-c299ad5ebd07 | 10/28/2008 |
| 9 | Diarsenic pentaoxide | 1303-28-2 | ■ | https://echa.europa.eu/documents/10162/7b11c857-a72d-4a8b-9efb-68d99ead7902 | 10/28/2008 |
| 10 | Triethyl arsenate | 15606-95-8 | ■ | https://echa.europa.eu/documents/10162/6d48ec99-f364-44de-92a5-62d505ea3724 | 10/28/2008 |
| 11 | Diarsenic trioxide | 1327-53-3 | ■ | https://echa.europa.eu/documents/10162/d502da18-827f-408d-aa24-9fe0c7e6ed1b | 10/28/2008 |
| 12 | 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) | 81-15-2 | ■ | https://echa.europa.eu/documents/10162/e3747ed6-99b4-43d1-92ae- | 10/28/2008 |

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| | | | | 9c837ded241d | |
| 13 | Hexabromocyclododecane (HBCDD) Alpha Hexabromocyclododecane Beta- Hexabromocyclododecane Gama Hexabromocyclododecane | 25637-99-4 (134237-50-6) (134237-51-7) (134237-52-8) | ■ | https://echa.europa.eu/documents/10162/471aceac-4e5e-4c53-a4b2-23159a290893 | 10/28/2008 |
| 14 | Alkanes Short Chain Chlorinated paraffins | 85535-84-8 | ■ | https://echa.europa.eu/documents/10162/e9713dc8-1855-4dab-9635-72ca8be244ae | 10/28/2008 |
| 15 | Bis(tributyltin)oxide | 56-35-9 | ■ | https://echa.europa.eu/documents/10162/1b18d017-1056-4c92-aeeb-f190ad674174 | 10/28/2008 |

Adam Tech defines “**REACH Compliant**”, to mean that banned substances are not intentionally added during the manufacturing process and have upper concentrations within REACH acceptable limits.

This status is based on Adam Tech understanding of REACH and Adam Tech knowledge of the materials that go into its products as of the date of June 1st 2007 disclosure of REACH compliance.

Amendment A

In a press release dated 7 December 2009, the European Chemicals Agency (ECHA) announced 15 new substances identified as potential Substances of Very High Concern (SVHC). As of January 2010 these substances were formally added to the Candidate List , as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--|------------|----------|---|-------------------|
| 16 | Anthracene Oil | 90640-80-5 | ■ | https://echa.europa.eu/documents/10162/f7cfbd7b-2a5a-49aa-9d16-61689ad3a8e3 | 1/13/2010 |
| 17 | Anthracene Oil, Anthracene Paste Distn. Lights | 91995-17-4 | ■ | https://echa.europa.eu/documents/10162/960a181f-7094-4be7-b02f-c49513a0442e | 1/13/2010 |
| 18 | Anthracene oil, Athracene paste, Anthracene fraction | 91995-15-2 | ■ | https://echa.europa.eu/documents/10162/b5013ad5-8980-478b-aa32- | 1/13/2010 |

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| | | | | 4859860f9aef | |
| 19 | Anthracene oil, anthracene-low | 90640-82-7 | ■ | https://echa.europa.eu/documents/10162/709cf01f-1445-4606-a0f2-1940a468dab6 | 1/13/2010 |
| 20 | Anthracene oil, Anthracene paste | 90640-81-6 | ■ | https://echa.europa.eu/documents/10162/df5aecc8-d928-4a70-9bf0-90ca5953bc44 | 1/13/2010 |
| 21 | Diisobutyl phthalate | 84-69-5 | ■ | https://echa.europa.eu/documents/10162/8f861ec5-40ca-43d6-be8a-7bc22b96f84f | 1/13/2010 |
| 22 | Aluminosilicate, Refractory Ceramic Fibers | Extracted from index 650-017-00-8 | ■ | https://echa.europa.eu/documents/10162/9c0854f5-3f46-4dc5-9776-72ac20f908e2 https://echa.europa.eu/documents/10162/df7f314c-bda4-496c-8d86-04fe2421e157 | 1/13/2010 |
| 23 | Lead chromate | 7758-97-6 | ■ | https://echa.europa.eu/documents/10162/1f928dd4-69c2-494d-8d94-08699be302e5 | 1/13/2010 |
| 24 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | ■ | https://echa.europa.eu/documents/10162/9a10159e-0846-488b-8fdb-5162e2bf97f4 | 1/13/2010 |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | ■ | https://echa.europa.eu/documents/10162/7d4b0549-413a-4642-ac69-069566c2f624 | 1/13/2010 |

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| 26 | Tris(2-chloroethyl)phosphate | 115-96-8 | ■ | https://echa.europa.eu/documents/10162/78d8ecfd-5e83-4299-9f16-15681ee11bbb | 1/13/2010 |
| 27 | Coal tar pitch, high temperature | 65996-93-2 | ■ | https://echa.europa.eu/documents/10162/30488018-7d14-42b1-90eb-8235974bf023 | 1/13/2010 |
| 28 | 2,4-Dinitrotoluene | 204-450-0 | ■ | https://echa.europa.eu/documents/10162/7700e235-3ba5-44d4-9ab9-5ace916ca7b3 | 1/13/2010 |

This updated status is based on Adam Tech understanding of REACH and Adam Tech knowledge of the 15 new substances that go into its products as of the date of January 1st 2010 disclosure of REACH compliance.

Amendment B

In a press release dated 30 March 2010, the European Chemicals Agency (ECHA) announced 1 new substances identified as potential Substances of Very High Concern (SVHC). As of March 2010 this substances were formally added to the Candidate List , as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|----------------|---------|----------|---|-------------------|
| 29 | Acrylamide | 79-06-1 | ■ | https://echa.europa.eu/documents/10162/b280c0f2-f957-44d9-9584-097444464b22 | 3/30//2010 |

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of March 30th 2010 disclosure of REACH compliance.

Amendment C

In a press release dated 18 June 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of June 2010 these substances were formally added to the Candidate List , as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|----------------|---------|----------|-----------|-------------------|
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|----|---|-----------------------|---|---|------------|
| 30 | Ammonium dichromate | 232-143-1 | ■ | https://echa.europa.eu/documents/10162/f5cd363-1d18-4b42-a208-b0aa4034348e | 6/18//2010 |
| 31 | Boric acid | 233-139-2 / 234-343-4 | ■ | https://echa.europa.eu/documents/10162/6877f24b-c82b-4021-b05b-a25af94185c0 | 6/18//2010 |
| 32 | Disodium tetraborate, anhydrous | 215-540-4 | ■ | https://echa.europa.eu/documents/10162/4912ba63-c1c1-4698-b1a0-3b58f6024cd5 | 6/18//2010 |
| 33 | Potassium chromate | 232-140-5 | ■ | https://echa.europa.eu/documents/10162/4116dc63-d4ff-4465-b598-a81622c5f58b | 6/18//2010 |
| 34 | Potassium dichromate | 231-906-6 | ■ | https://echa.europa.eu/documents/10162/0f342468-8b83-48af-b1ce-c46eb9e011bf | 6/18//2010 |
| 35 | Sodium chromate | 231-889-5 | ■ | https://echa.europa.eu/documents/10162/f7a917fb-3073-4f18-93db-d49e3587df84 | 6/18//2010 |
| 36 | Tetraboron disodium heptaoxide, hydrate | 235-541-3 | ■ | https://echa.europa.eu/documents/10162/4ed94bb5-533a-4a8a-823f-6348859263d1 | 6/18//2010 |
| 37 | Trichloroethylene | 201-167-4 | ■ | https://echa.europa.eu/documents/10162/d54e4381-eebe-41dd-9eb5-5794d383f043 | 6/18//2010 |

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of June 18th 2010 disclosure of REACH compliance.

Amendment D

In a press release dated 15 December 2010, the European Chemicals Agency (ECHA) announced 9 new substances identified as potential Substances of Very High Concern (SVHC). As of December 2010 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--|--------------------------|----------|---|-------------------|
| 38 | 2-Ethoxyethanol | 110-80-5 | ■ | https://echa.europa.eu/documents/10162/f25b7ab7-c339-4b4a-900b-7a2d38c32c1f | 12/15/2010 |
| 39 | 2-Methoxyethanol | 109-86-4 | ■ | https://echa.europa.eu/documents/10162/d0434782-81cb-43af-ba42-88c301aeb105 | 12/15/2010 |
| 40 | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid | 7738-94-5, 13530-68-2 | ■ | https://echa.europa.eu/documents/10162/7ec3a9eb-a9f6-4e82-9e7d-99794b3dc95e | 12/15/2010 |
| 41 | Chromium trioxide | 1333-82-0 | ■ | https://echa.europa.eu/documents/10162/6b11ec66-9d90-400a-a61a-90de9a0fd8b1 | 12/15/2010 |
| 42 | Cobalt(II) carbonate | 513-79-1 | ■ | https://echa.europa.eu/documents/10162/75006cd4-1dc6-47de-bc84-d92e07201a9 | 12/15/2010 |
| 43 | Cobalt(II) diacetate | 71-48-7 | ■ | https://echa.europa.eu/documents/10162/454374bb-5c3a-4716-bce2-2bf2879536d3 | 12/15/2010 |
| 44 | Cobalt(II) dinitrate | 10141-05-6 | ■ | https://echa.europa.eu/documents/10162/93d2146d-6f41-43f1-9e4c-6c65ee52bfef | 12/15/2010 |
| 45 | Cobalt(II) sulphate | 10124-43-3 | ■ | https://echa.europa.eu/docu | 12/15/2010 |

ments/10162/
034150e5-fa9
9-4659-a208-
3492fed19012

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of December 15th 2010 disclosure of REACH compliance.

Amendment E

In a press release dated 20 June 2011, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of June 2011 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|---|----------------------|----------|---|-------------------|
| 46 | 2-Ethoxyethyl acetate | 111-15-9 | ■ | https://echa.europa.eu/documents/10162/4b69d66f-b3f9-4b3d-a1fb-a90c4825f7d5 | 6/20/2011 |
| 47 | Strontium chromate | 7789-06-2 | ■ | https://echa.europa.eu/documents/10162/8003d372-68f9-4a5a-9094-4e6d0b58169c | 6/20/2011 |
| 48 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | ■ | https://echa.europa.eu/documents/10162/e0602e69-f758-4eef-88c6-6e9c7a0359e6 | 6/20/2011 |
| 49 | Hydrazine | 302-01-2 / 7803-57-8 | ■ | https://echa.europa.eu/documents/10162/c5b972a9-f57f-4fd5-8177-04b4e46c5e93 | 6/20/2011 |
| 50 | 1-Methyl-2-pyrrolidone | 872-50-4 | ■ | https://echa.europa.eu/documents/10162/2d6cdfd7-e924-45fa-85d4-4450a7b4bf5a | 6/20/2011 |
| 51 | 1,2,3-Trichloropropane | 96-18-4 | ■ | https://echa.europa.eu/documents/10162/2d6cdfd7-e924-45fa-85d4-4450a7b4bf5a | 6/20/2011 |

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| | | | | 0162/6b5d8cc7-e37e-46e1-9d91-0f8d529ca833 | |
| 52 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | ■ | https://echa.europa.eu/documents/10162/1d278ff8-5bc6-4fa4-8b6a-6847121fcc9d | 6/20/2011 |

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of June 20th 2011 disclosure of REACH compliance.

Amendment F

In December 2011, the European Chemicals Agency (ECHA) announced 20 new substances identified as potential Substances of Very High Concern (SVHC). As of December 19, 2011 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|---|-----------------------------------|----------|--|-------------------|
| 53 | Potassium hydroxyoctaoxidizincatedi-chromate | 234-329-8 | ■ | https://echa.europa.eu/documents/10162/cbc1bcf1-2910-4813-a818-9f2069f69b3c | 12/19/2011 |
| 54 | Pentazinc chromate octahydroxide | 256-418-0 | ■ | https://echa.europa.eu/documents/10162/756bf74c-275b-4779-8d92-83fc3ac27318 | 12/19/2011 |
| 55 | Aluminosilicate Refractory Ceramic Fibres (RCF) | - | ■ | https://echa.europa.eu/documents/10162/0d43d978-af14-4acf-9613-95d028fef958 https://echa.europa.eu/documents/10162/46da04ed-c0ac-482e-aa63-c75553312e84 | 12/19/2011 |
| 56 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) | Extracted from index 650-017-00-8 | ■ | https://echa.europa.eu/documents/10162/46da04ed-c0ac-482e-aa63-c75553312e84 | 12/19/2011 |

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| | | | | 0162/9c0854f5-3f46-4dc5-9776-72ac20f908e2 | |
| 57 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 500-036-1 | ■ | https://echa.europa.eu/documents/10162/f5ad72aa-57b0-456b-acca-080ea744a5d1 | 12/19/2011 |
| 58 | Bis(2-methoxyethyl) phthalate | 204-212-6 | ■ | https://echa.europa.eu/documents/10162/18fc6f65-fb18-4151-b737-45ba0aefb181 | 12/19/2011 |
| 59 | 2-Methoxyaniline; o-Anisidine | 201-963-1 | ■ | https://echa.europa.eu/documents/10162/30d99b89-85a5-45d1-8701-1ad0680afb1e | 12/19/2011 |
| 60 | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 205-426-2 | ■ | https://echa.europa.eu/documents/10162/189c55b4-d54b-4271-9e50-ce798faf9f4c | 12/19/2011 |
| 61 | 1,2-Dichloroethane 1,2 | 203-458-1 | ■ | https://echa.europa.eu/documents/10162/55390ac1-1267-4141-af33-67c787b50a0d | 12/19/2011 |
| 62 | Bis(2-methoxyethyl) ether | 203-924-4 | ■ | https://echa.europa.eu/documents/10162/55390ac1-1267-4141-af33-67c787b50a0d | 12/19/2011 |
| 63 | Arsenic acid | 231-901-9 | ■ | https://echa.europa.eu/documents/10162/3646fac6-947b-41ea-b3bf-e231511be65c | 12/19/2011 |

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| 64 | Calcium arsenate | 231-904-5 | ■ | https://echa.europa.eu/documents/10162/cb4e87e7-ebdc-4a02-8333-7b30084a9be4 | 12/19/2011 |
| 65 | Trilead diarsenate | 222-979-5 | ■ | https://echa.europa.eu/documents/10162/f94e0b50-062a-4150-8652-f5d3ac218fcd | 12/19/2011 |
| 66 | N,N-dimethylacetamide (DMAC) N,N- (DMAC) | 204-826-4 | ■ | https://echa.europa.eu/documents/10162/65231f68-fe7a-4712-9f3a-99a9fdb7dea | 12/19/2011 |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) 4,4'-3,3'-(MOCA) | 202-918-9 | ■ | https://echa.europa.eu/documents/10162/0a89c9f0-1da4-406b-8285-9db907cdb66a | 12/19/2011 |
| 68 | Phenolphthalein | 201-004-7 | ■ | https://echa.europa.eu/documents/10162/37893eb4-a79b-4982-a3f0-34438dc72904 | 12/19/2011 |
| 69 | Lead diazide | 236-542-1 | ■ | https://echa.europa.eu/documents/10162/defeb72b-e314-4707-b01d-dd25464eb5f1 | 12/19/2011 |
| 70 | Lead styphnate | 239-290-0 | ■ | https://echa.europa.eu/documents/10162/9f6e771e-a50c-4079-9a1a-1d2441ed0033 | 12/19/2011 |
| 71 | Lead dipicrate | 229-335-2 | ■ | https://echa.europa.eu/d | 12/19/2011 |

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| | | | | documents/10162/3a01a0ae-69e4-4b0c-8d87-e5c42e8586a3 | |
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Amendment G

In June 2012, the European Chemicals Agency (ECHA) announced 13 new substances identified as potential Substances of Very High Concern (SVHC). As of June 18, 2012 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|---|------------|----------|---|-------------------|
| 72 | α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 246-356-2 | ■ | https://echa.europa.eu/documents/10162/b5600741-d5d7-413c-9755-625a596d1ee1 | 6/18/2012 |
| 73 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | ■ | https://echa.europa.eu/documents/10162/55c7a0fd-13f8-41bd-b1b2-123cdeef4434 | 6/18/2012 |
| 74 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC) | 59653-74-6 | ■ | https://echa.europa.eu/documents/10162/b396da4a-879d-4d97-88c0-f2a97c3160e2 | 6/18/2012 |
| 75 | Diboron trioxide | 1303-86-2 | ■ | https://echa.europa.eu/documents/10162/c42c7cd8-b8d9-4a53-987e-55f8b377ea03 | 6/18/2012 |
| 76 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | ■ | https://echa.europa.eu/d | 6/18/2012 |

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| | | | | documents/10162/1797f7da-12f2-4db5-95ee-d8b2f119255b | |
| 77 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 561-41-1 | ■ | https://echa.europa.eu/documents/10162/bcf29e5e-c152-4f88-8df9-1f9515582e3e | 6/18/2012 |
| 78 | Lead(II) bis(methanesulfonate) | 17570-76-2 | ■ | https://echa.europa.eu/documents/10162/670a5290-68d3-4b88-83e8-6c06a4e430a8 | 6/18/2012 |
| 79 | Formamide | 75-12-7 | ■ | https://echa.europa.eu/documents/10162/64c72b55-a1da-47ef-b47d-edad9c9f124e | 6/18/2012 |
| 80 | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 548-62-9 | ■ | https://echa.europa.eu/documents/10162/9c2106dd-ab9a-415d-8b47-039c5b5b223a | 6/18/2012 |
| 81 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | ■ | https://echa.europa.eu/documents/10162/8baf4265-833f-467d-bb3d-cf3dfe92be88 | 6/18/2012 |
| 82 | [4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 2580-56-5 | ■ | https://echa.europa.eu/documents/10162/4575515a-f67b-447e-afb0-9de9bdf2d8b4 | 6/18/2012 |
| 83 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 2451-62-9 | ■ | https://echa.europa.eu/documents/10162/f4f2cac7-9277-4dd0-bcfc-a0b313 | 6/18/2012 |

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| | | | | 4331a3 | |
| 84 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | ■ | https://echa.europa.eu/documents/10162/fb031b0c-5e13-438a-a0ad-334a822c2e04 | 6/18/2012 |

Amendment H

In December 2012, the European Chemicals Agency (ECHA) announced 54 new substances identified as potential Substances of Very High Concern (SVHC). As of December 20, 2012 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|-------------------------------------|-----------|----------|---|-------------------|
| 85 | Pyrochlore, antimony lead yellow | 8012-00-8 | ■ | https://echa.europa.eu/documents/10162/9e101a56-02e0-481f-babb-e4f62d36912b | 12/20/2012 |
| 86 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | ■ | https://echa.europa.eu/documents/10162/251a17a0-cc98-4151-9b3f-3526c667a90e | 12/20/2012 |
| 87 | Henicosafuoroundecanoic acid | 2058-94-8 | ■ | https://echa.europa.eu/documents/10162/02881bec-75ad-4e83-a9bb-c9f6dc81042e | 12/20/2012 |

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|----|---|---|---|---|------------|
| 88 | Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</i> | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | ■ | https://echa.europa.eu/documents/10162/81052549-dd49-40b5-9388-b5a72a1a3fb3 | 12/20/2012 |
| 89 | Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]</i> | 85-42-7, 13149-00-3, 14166-21-3 | ■ | https://echa.europa.eu/documents/10162/b7a93309-0b81-4dbf-90e0-859bc0f41ce4 | 12/20/2012 |
| 90 | Dibutyltin dichloride (DBTC) | 683-18-1 | ■ | https://echa.europa.eu/documents/10162/046189d5-908b-447f-b91b-b3f97c9de5b5 | 12/20/2012 |
| 91 | Lead bis(tetrafluoroborate) | 13814-96-5 | ■ | https://echa.europa.eu/documents/10162/56f43ea4-a623-4d5e-b741-fee1fef7e771 | 12/20/2012 |
| 92 | Lead dinitrate | 10099-74-8 | ■ | https://echa.europa.eu/documents/10162/e1c55ba4-1f9a-4633-b4c3-fdaba005b095 | 12/20/2012 |
| 93 | Silicic acid, lead salt | 11120-22-2 | ■ | https://echa.europa.eu/documents/10162/a7314719-5b08-47ef-9ee7-daca71e06f54 | 12/20/2012 |
| 94 | 4-Aminoazobenzene | 60-09-3 | ■ | https://echa.europa.eu/documents/10162/9cf3cd45-97d2-455a-a58b-86d721fb4f54 | 12/20/2012 |
| 95 | Lead titanium zirconium oxide | 12626-81-2 | ■ | https://echa.europa.eu/d | 12/20/2012 |

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| | | | | documents/10162/01818c6d-bcc9-4136-9eec-888823ae5fb0 | |
| 96 | Lead monoxide (lead oxide) | 1317-36-8 | ■ | https://echa.europa.eu/documents/10162/ea71029e-f8de-4e5d-a393-6961aefd6e14 | 12/20/2012 |
| 97 | o-Toluidine | 95-53-4 | ■ | https://echa.europa.eu/documents/10162/953517bb-4055-4a5b-9ed7-4bb69c3b96e7 | 12/20/2012 |
| 98 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | ■ | https://echa.europa.eu/documents/10162/2e6fa094-c665-4367-b4d6-d61b841e82c3 | 12/20/2012 |
| 99 | Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped | 68784-75-8 | ■ | https://echa.europa.eu/documents/10162/6bd3a623-dcbc-43ff-a5fa-8f710fc4053b | 12/20/2012 |
| 100 | <i>[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]</i> | | ■ | https://echa.europa.eu/documents/10162/6bd3a623-dcbc-43ff-a5fa-8f710fc4053b | 12/20/2012 |
| 101 | Trilead bis(carbonate)dihydroxide | 1319-46-6 | ■ | https://echa.europa.eu/documents/10162/bd13bb56-cf5a-4eeb-b7a2-367ba3838e86 | 12/20/2012 |
| 102 | Furan | 110-00-9 | ■ | https://echa.europa.eu/documents/10162/1986ed9a-a382-4409-8faf-abd0f | 12/20/2012 |

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| | | | | 9af440a | |
| 103 | N,N-dimethylformamide | 68-12-2 | ■ | https://echa.europa.eu/documents/10162/52c73750-c192-457c-9c48-2bd9776cec88 | 12/20/2012 |
| 104 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i> | - | ■ | https://echa.europa.eu/documents/10162/b823f588-7c35-4bad-9e3c-b639b627df8f | 12/20/2012 |
| 105 | 4-Nonylphenol, branched and linear <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</i> | - | ■ | https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9 | 12/20/2012 |
| 106 | 4,4'-methylenedi-o-toluidine | 838-88-0 | ■ | https://echa.europa.eu/documents/10162/aa8680a2-aecb-4b86-b4e9-e6d6ba41ed42 | 12/20/2012 |
| 107 | Diethyl sulphate | 64-67-5 | ■ | https://echa.europa.eu/documents/10162/3f6a4989-b155-4827-abfc-51e3fa7e352d | 12/20/2012 |
| 108 | Dimethyl sulphate | 77-78-1 | ■ | https://echa.europa.eu/documents/10162/40a80d81-ac48-4ce6-891c-53b7a3779646 | 12/20/2012 |
| 109 | Lead oxide sulfate | 12036-76-9 | ■ | https://echa.europa.eu/documents/10162/23bfbbe6-9985-42fe-b401-a7df81ec12cc | 12/20/2012 |
| 110 | Lead titanium trioxide | 12060-00-3 | ■ | https://echa.europa.eu/d | 12/20/2012 |

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| | | | | documents/10162/933f22c2-cfa6-4126-b0a5-3ba33ce75487 | |
| 111 | Acetic acid, lead salt, basic | 51404-69-4 | ■ | https://echa.europa.eu/documents/10162/a68aa6d7-bc05-4f79-9445-4dd0ecabc1bb | 12/20/2012 |
| 112 | [Phthalato(2-)]dioxotrilead | 69011-06-9 | ■ | https://echa.europa.eu/documents/10162/490c7cfa-ae94-48a0-83c9-99bc3c0a5e13 | 12/20/2012 |
| 113 | Bis(pentabromophenyl)ether (decabromodiphenyl ether; DecaBDE) | 1163-19-5 | ■ | https://echa.europa.eu/documents/10162/7de8998e-c87a-4fa6-82fa-927ffb0fe79 | 12/20/2012 |
| 114 | N-methylacetamide | 79-16-3 | ■ | https://echa.europa.eu/documents/10162/2d6d4c98-5c55-41ff-89e0-6557aed1c003 | 12/20/2012 |
| 115 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | ■ | https://echa.europa.eu/documents/10162/b23de2c1-7142-43ec-9fba-ee150ed98bb1 | 12/20/2012 |
| 116 | 1,2-Diethoxyethane | 629-14-1 | ■ | https://echa.europa.eu/documents/10162/c5d3b97f-9168-4c49-aa69-9197cd899a8d | 12/20/2012 |
| 117 | Tetralead trioxide sulphate | 12202-17-4 | ■ | https://echa.europa.eu/documents/10162/f56110e1-a0d6-4a1e-8c7d-9940d | 12/20/2012 |

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| | | | | 5ec8d91 | |
| 118 | N-pentyl-isopentylphthalate | 776297-69-9 | ■ | https://echa.europa.eu/documents/10162/d54fc5db-a2c6-4b1c-9000-e398645ad294 | 12/20/2012 |
| 119 | Dioxobis(stearato)trilead | 12578-12-0 | ■ | https://echa.europa.eu/documents/10162/b3332ac2-958d-4b79-86be-12a13f9cd8c8 | 12/20/2012 |
| 120 | Tetraethyllead | 78-00-2 | ■ | https://echa.europa.eu/documents/10162/0b417b76-b533-42a1-9bd2-519f1dc1990d | 12/20/2012 |
| 121 | Pentalead tetraoxide sulphate | 12065-90-6 | ■ | https://echa.europa.eu/documents/10162/664946a7-1fba-487d-8d28-f47de7fb3a5c | 12/20/2012 |
| 122 | Pentacosafuorotridecanoic acid | 72629-94-8 | ■ | https://echa.europa.eu/documents/10162/0df4a67b-03ac-4468-b6b5-6526237f92ba | 12/20/2012 |
| 123 | Tricosafuorododecanoic acid | 307-55-1 | ■ | https://echa.europa.eu/documents/10162/dd827b99-e744-4d49-84c3-00b82732059b | 12/20/2012 |
| 124 | Heptacosafuorotetradecanoic acid | 376-06-7 | ■ | https://echa.europa.eu/documents/10162/bb2caa51-1bcc-407b-b587-91d4ac23b564 | 12/20/2012 |
| 125 | 1-bromopropane (n-propyl bromide) | 106-94-5 | ■ | https://echa.europa.eu/d | 12/20/2012 |

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| | | | | documents/10162/322977d5-5c50-467b-a5aa-14dd621301af | |
| 126 | Methoxyacetic acid | 625-45-6 | ■ | https://echa.europa.eu/documents/10162/afb7a0e1-9222-4385-88cf-71c0b06191d0 | 12/20/2012 |
| 127 | Methyloxirane (Propylene oxide) | 75-56-9 | ■ | https://echa.europa.eu/documents/10162/005a9afb-2a53-41df-8711-5c28765c6e6b | 12/20/2012 |
| 128 | Trilead dioxide phosphonate | 12141-20-7 | ■ | https://echa.europa.eu/documents/10162/af3610a5-f180-4fcd-95b7-636e43da9198 | 12/20/2012 |
| 129 | o-aminoazotoluene | 97-56-3 | ■ | https://echa.europa.eu/documents/10162/d7aaf254-b61a-48a2-9f03-9c49bd0164c1 | 12/20/2012 |
| 130 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | ■ | https://echa.europa.eu/documents/10162/cdf66098-5920-44ea-9d26-aaa390c5d5ef | 12/20/2012 |
| 131 | 4,4'-oxydianiline and its salts | 101-80-4 | ■ | https://echa.europa.eu/documents/10162/7e13f20e-aa4c-4ab9-9b57-f0bd3cf750c9 | 12/20/2012 |
| 132 | Orange lead (lead tetroxide) | 1314-41-6 | ■ | https://echa.europa.eu/documents/10162/97af2122-f294-472c-9cc8-978f11 | 12/20/2012 |

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| | | | | 6c6929 | |
| 133 | Biphenyl-4-ylamine | 92-67-1 | ■ | https://echa.europa.eu/documents/10162/cefb8a85-ed61-4751-a722-2b3510d5f7a0 | 12/20/2012 |
| 134 | Diisopentylphthalate | 605-50-5 | ■ | https://echa.europa.eu/documents/10162/917ec7f1-d611-4dad-8cf7-36c1ca07a400 | 12/20/2012 |
| 135 | Fatty acids, C16-18, lead salts | 91031-62-8 | ■ | https://echa.europa.eu/documents/10162/7f59b681-ee89-484b-bec2-3412f3f7d0e5 | 12/20/2012 |
| 136 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | ■ | https://echa.europa.eu/documents/10162/4739d799-2888-4031-b3eb-73a9d475347b | 12/20/2012 |
| 137 | Sulfurous acid, lead salt, dibasic | 62229-08-7 | ■ | https://echa.europa.eu/documents/10162/486d5d7c-c872-48cf-9392-e86ecff34c04 | 12/20/2012 |
| 138 | Lead cyanamidate | 20837-86-9 | ■ | https://echa.europa.eu/documents/10162/a6f8212c-590f-469a-b6c1-f40f234e4518 | 12/20/2012 |

Amendment I

In June 19, 2013, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of June 19, 2013 these substances were formally added to the Candidate List , as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|----------------|-----------|----------|---|-------------------|
| 139 | Cadmium | 7440-43-9 | ■ | https://echa.europa.eu/d | 6/20/2013 |

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|-----|---|-----------|---|---|-----------|
| | | | | documents/10162/49a335ae-1ec4-40e5-88fb-3b08702da95c | |
| 140 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | ■ | https://echa.europa.eu/documents/10162/b06436fd-6367-4a2f-b6a2-2b8ffa183ae9 | 6/20/2013 |
| 141 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | ■ | https://echa.europa.eu/documents/10162/092663e6-b14a-4a06-aadf-fc0e56bc0a23 | 6/20/2013 |
| 142 | Dipentyl phthalate (DPP) | 131-18-0 | ■ | https://echa.europa.eu/documents/10162/365998db-beb8-47b6-b080-ca5549397cd9 | 6/20/2013 |
| 143 | 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | | ■ | https://echa.europa.eu/documents/10162/fd80f890-fb73-4201-8e2f-06dc04eaf5a9 | 6/20/2013 |
| 144 | Cadmium oxide | 1306-19-0 | ■ | https://echa.europa.eu/documents/10162/2fb75d7e-485c-4edb-8c72-4204f224bbca | 6/20/2013 |

Amendment J

In December 10, 2013, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of December 10, 2013 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|------------------|-----------|----------|---|-------------------|
| 145 | Cadmium sulphide | 1306-23-6 | ■ | https://echa.europa.eu/documents/10162/204bc9fa-0673-4753 | 12/16/2013 |

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|-----|--|------------|---|---|------------|
| | | | | -bd0e-e3503b4a1956 | |
| 146 | Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | ■ | https://echa.europa.eu/documents/10162/f9d799e8-5a32-44d1-b383-4c9695085cbf | 12/16/2013 |
| 147 | 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 | ■ | https://echa.europa.eu/documents/10162/6ab9d8cb-2d82-4dba-a68b-8752a00c4c76 | 12/16/2013 |
| 148 | Dihexyl phthalate | 84-75-3 | ■ | https://echa.europa.eu/documents/10162/d90bb47a-7e33-43c3-82ad-18a55d39d502 | 12/16/2013 |
| 149 | Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | ■ | https://echa.europa.eu/documents/10162/e01d8301-5596-4905-98ad-f17eb9455241 | 12/16/2013 |
| 150 | Lead di(acetate) | 301-04-2 | ■ | https://echa.europa.eu/documents/10162/ff4184dc-c595-4dc8-8241-941c073f2221 | 12/16/2013 |
| 151 | Trixylyl phosphate | 25155-23-1 | ■ | https://echa.europa.eu/documents/10162/464f639f-6e07-4966-b63a-081ac8040e63 | 12/16/2013 |

Amendment K

On June 6th, 2013, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of June 6, 2013 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|------------------|------------|----------|---|-------------------|
| 152 | Cadmium chloride | 10108-64-2 | ■ | https://echa.europa.eu | 6/16/2014 |

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|-----|--|------------|---|---|-----------|
| | | | | europa.eu/documents/10162/e2bc867c-de85-4d6d-a9d6-d856ab51685c | |
| 153 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | ■ | https://echa.europa.eu/documents/10162/34533e6e-84d2-4a40-815d-7a02dac17041 | 6/16/2014 |
| 154 | Sodium peroxometaborate | 7632-04-4 | ■ | https://echa.europa.eu/documents/10162/55e1c126-a528-440f-8c10-49a31b82eda3 | 6/16/2014 |
| 155 | Sodium perborate; perboric acid, sodium salt | | ■ | https://echa.europa.eu/documents/10162/02bff80c-33f6-4995-a1ef-4a7c33825069 | 6/16/2014 |

Amendment L

On December 17th, 2014, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of December 17, 2014 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|------------|--|---------------------------|-----------------|---|--------------------------|
| 156 | Cadmium sulphate | 10124-36-4, 31119-53-6 | ■ | https://echa.europa.eu/documents/10162/9e3c41d5-088a-47e7-944a-2ccb112493b3 | 12/17/2014 |
| 157 | Cadmium fluoride | 7790-79-6 | ■ | https://echa.europa.eu/documents/10162/e333469a-fca7-48c2-a88f-52ea8e7ad7e | 12/17/2014 |
| 158 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | ■ | https://echa.europa.eu/documents/10162/c6a0c43 | 12/17/2014 |

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|-----|--|------------|---|---|------------|
| | | | | b-adba-4351-a093-66b36d470de3 | |
| 159 | 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 (reaction mass of DOTE and MOTE) | | ■ | https://echa.europa.eu/docus/10162/917a0639-8b9d-43ce-802c-b4e82a7f20e3 | 12/17/2014 |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | ■ | https://echa.europa.eu/docus/10162/8f7e275c-c02c-4357-90d9-59a37b14337a | 12/17/2014 |
| 161 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | ■ | https://echa.europa.eu/docus/10162/27d9317d-3aeb-41d5-9116-1e07696d90cd | 12/17/2014 |

Amendment M

On June 15th, 2015, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of June 15, 2015 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--|-------------------------------|----------|---|-------------------|
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) | 68515-51-5 & 68648-93-1 | ■ | https://echa.europa.eu/docus/10162/aa4096ae-2a92-47b6-96c4-8e903234b2ae | 6/15/2015 |
| 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] | | ■ | https://echa.europa.eu/docus/10162/f7c78fc1-bc3e-4913-9a8f-1f57e03326e4 | 6/15/2015 |

Amendment N

On Dec 17th, 2015, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of December 17, 2015 these substances were formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--|---------------------------------|----------|---|-------------------|
| 164 | Nitrobenzene 98-95-3 | 98-95-3 | ■ | https://echa.europa.eu/documents/10162/bcde2926-a00e-4389-8e48-67122bceba67 | 12/17/2015 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | ■ | https://echa.europa.eu/documents/10162/86a55090-a222-4389-83d6-4859f9efb875 | 12/17/2015 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | ■ | https://echa.europa.eu/documents/10162/aca017f7-ce9f-4bce-a991-7c9e911a3ddd | 12/17/2015 |
| 167 | 1,3-propanesultone | 1120-71-4 | ■ | https://echa.europa.eu/documents/10162/e685b7a5-9825-4719-a746-ea358385f903 | 12/17/2015 |
| 168 | Perfluorononan-1-ic-acid and its sodium and ammonium salts | 375-95-1, 21049-39-8, 4149-60-4 | ■ | https://echa.europa.eu/documents/10162/725df6cb-070c-48c9-89a5-500ee2dabe16 | 12/17/2015 |

Amendment O

On June 20th, 2016, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of June 20, 2016 this substance was formally added to the Candidate List, as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--------------------|---------|----------|---|-------------------|
| 169 | Benzo[def]chrysene | 50-32-8 | ■ | https://echa.europa.eu/documents/10162/4b054c5b-8511-4a30-8ef8-35ab143b4fd0 | 6/20/2016 |

Amendment P

On January 12th, 2017, the European Chemicals Agency (ECHA) announced 4 new substance identified as potential Substances of Very High Concern (SVHC). As of January 12, 2017 this substance was formally added to the Candidate List , as per list below

| No. | Substance Name | CAS NO. | Not Used | Inclusion | Date of Inclusion |
|-----|--|---------|---------------------|---|-------------------|
| 170 | p-(1,1-dimethylpropyl)phenol | 80-46-6 | ■ | https://echa.europa.eu/documents/10162/c11b5b68-67f4-8044-53a6-26759a106c80 | 12/01/2017 |
| 171 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid EC no.: 206-400-3 CAS no.: 335-76-2 Ammonium nonadecafluorodecanoate EC no.: 221-470-5 CAS no.: 3108-42-7 Decanoic acid, nonadecafluoro-, sodium salt EC no.: - CAS no.: 3830-45-3 | | ■ ■ ■ | https://echa.europa.eu/documents/10162/df3daa02-0c97-2c3a-2c7b-90c267642086 | 12/01/2017 |
| 172 | 4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof | | ■ | https://echa.europa.eu/documents/10162/0f8c5cf3-ccb7-3df6-c351-1c2df00cbc91 | 12/01/2017 |
| 173 | 4,4'-isopropylidenediphenol | | ■ | https://echa.europa.eu/documents/10162/36834f25-582c-0855-37fb-bd20b409382c | 12/01/2017 |

Amendment Q

On July 7th, 2017, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of July 7th, 2017 this substance was formally added to the Candidate List , as per list below

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of July 7th 2017 disclosure of REACH compliance.

| | | | | | |
|-----|--|--|---|---|----------|
| 174 | Perfluorohexane-1-sulphonic acid and its salts | | ■ | https://echa.europa.eu/documents/10162/20a23653-34b1-bb48-4 | 7/7/2017 |
|-----|--|--|---|---|----------|

| | | | | | |
|--|-------|--|--|---|--|
| | PFHxS | | | 887-7ea77bedc637 | |
|--|-------|--|--|---|--|

Amendment R

On January 15th, 2018, the European Chemicals Agency (ECHA) announced 7 new substance identified as potential Substances of Very High Concern (SVHC). As of January 15th, 2018 these substances was formally added to the Candidate List , as per list below

This updated status is based on Adam Tech's understanding of REACH and Adam Tech's knowledge of the 1 new substance that go into its products as of the date of January 15th, 2018 disclosure of REACH compliance.

| | | | | | |
|-----|--|--|---|---|------------|
| 175 | 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) | | ■ | https://echa.europa.eu/document/s/10162/16403c3b-9c97-6942-425b-6557dea0355d | 7/7/2017 |
| 176 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof | | ■ | https://echa.europa.eu/document/s/10162/50ad6004-912d-483f-533a-e5bd294cee22 | 15/01/2018 |
| 177 | Chrysene | | ■ | https://echa.europa.eu/document/s/10162/d7e81a43-abba-8da6-2ac4-78b5c2f7a188 | 15/01/2018 |
| 178 | Cadmium nitrate | | ■ | https://echa.europa.eu/document/s/10162/3bd96e27-392f-1ba0-39a5-9a4daa824b5e | 15/01/2018 |
| 179 | Cadmium hydroxide | | ■ | https://echa.europa.eu/document/s/10162/ddd74052-075c-44c6-0992-6c601736ea44 | 15/01/2018 |
| 180 | Cadmium carbonate | | ■ | https://echa.europa.eu/document/s/10162/ba1de4d8-df82-08c8-831b-6a97fb1865d9 | 15/01/2018 |
| 181 | Benz[a]anthracene | | ■ | https://echa.europa.eu/document/s/10162/86653a20-935f-cba7-3e03-199c1d34046 | 15/01/2018 |

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|--|--|--|--|-------------------|--|
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|--|--|--|--|-------------------|--|

QA Dept, Scott Sokoli

Signature: **Scott Sokoli**

Date: 6/1/2007

Revised: 1/15/2018