

# Material Data Declaration Sheet - v003

Schema Database Version: IEC 62474 X6.01  
Substance Database Version: IEC 62474 D18.00



## Supplier Information

|                             |                    |
|-----------------------------|--------------------|
| <b>Company Name *</b>       | Intel Corporation  |
| <b>Response Document ID</b> | 54023              |
| <b>Company Unique ID</b>    | 047897855          |
| <b>Unique ID Authority</b>  | Dun and Bradstreet |
| <b>Response Date *</b>      | 2019-11-22         |

|                        |                          |
|------------------------|--------------------------|
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## Product(s)

Product Family Name:

| Requester Item Number | Item Number * | Description | Effective Date * | Mass * | UoM* | Comment |
|-----------------------|---------------|-------------|------------------|--------|------|---------|
|                       | I350T4OCPV3   | I350T4OCPV3 | 2019-11-22       | 106.00 | g    |         |

## Product Part(s)

| ID*                | Description        | Effective Date* | Units* | % of Product Mass | Comment |
|--------------------|--------------------|-----------------|--------|-------------------|---------|
| HIGH-CURRENT-INDUC | HIGH-CURRENT-INDUC | 2019-11-22      | 1      | 0.21              |         |
| Other Items 1      | Other Items        | 2019-11-22      | 1      | 99.79             |         |

**Declaration**

|                |   |       |
|----------------|---|-------|
| PVC            | This product does not contain PVC   | True  |
| SVHC           | Product Contains REACH SVHC above .1% of article  | False |
| RoHS.Compliant | Product is compliant with EU RoHS Directive 2 2011/65/EU (Directive 2011/65/EU) and its amendments (e.g. 2015/863/EU) | True  |

**Signature**

Intel Product  
Ecology

C=US, E=productecology@intel.com, OU="", O=Intel Corporation, CN=Intel Product Ecology

| Part ID            | Description        | # of Units | Part Mass % |
|--------------------|--------------------|------------|-------------|
| HIGH-CURRENT-INDUC | HIGH-CURRENT-INDUC | 1          | 0.21        |

## RoHS

| Homogenous Material Name | Material Class ID | HM Mass % | Substance Group                       | Reportable Application                    | Reporting Threshold                       | Above Threshold? (T/F) | Substance Mass % of HM | Exemption | Comments |
|--------------------------|-------------------|-----------|---------------------------------------|---|---|------------------------|------------------------|-----------|----------|
|                          |                   |           | Benzyl butyl phthalate (BBP)          | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Bis (2-ethylhexyl)phthalate           | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Cadmium/Cadmium compounds             | All, except batteries                     | 0.01 mass% of total Cd in homogenous      | false                  |                        |           |          |
|                          |                   |           | Chromium (VI) Compounds               | All                                       | 0.1 mass% of total Cr+6 in homogenous     | false                  |                        |           |          |
|                          |                   |           | Dibutyl phthalate (DBP)               | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Diisobutyl phthalate                  | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Lead/Lead Compounds                   | All, except for: 1. batteries, 2. surface | 0.1 mass% of total Pb in homogenous       | false                  |                        |           |          |
|                          |                   |           | Mercury/Mercury Compounds             | All, except batteries                     | Intentionally Added or 0.1 mass% of total | false                  |                        |           |          |
|                          |                   |           | Polybrominated biphenyls (PBB)        | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Polybrominated diphenyl ethers (PBDE) | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |

## Low Halogen

| Homogenous Material Name | Material Class ID | HM Mass % | Substance Group                         | Reportable Application               | Reporting Threshold                  | Above Threshold? (T/F) | Substance Mass % of HM | Comments |
|--------------------------|-------------------|-----------|---|--------------------------------------|--------------------------------------|------------------------|------------------------|----------|
|                          |                   |           | Brominated flame retardants (other than | Printed wiring board laminate        | 0.09 mass% total bromine content in  | false                  |                        |          |
|                          |                   |           | Chlorinated Flame Retardants (CFR)      | Printed Wiring Board (PWB) Laminates | 0.09 mass% total chlorine content in | false                  |                        |          |
|                          | M-012             |           | PVC                                     |                                      |                                      | false                  |                        |          |

## Other Declarable Substances

| Substance Group                                  | Substance | CAS # | Reportable Application | Reporting Threshold                         | Above Threshold? (T/F) | Substance Mass (% of Article) | Comments |
|--|-----------|-------|------------------------|---|------------------------|-------------------------------|----------|
| 1,6,7,8,9,14,15,16,17,17, 18,18-Dodecachloropent |           |       | All                    | 0.1 mass% of article                        | false                  | 0.00                          |          |
| 4-Nonylphenol, branched and linear, ethoxylated  |           |       | All                    | 0.1 mass% of article                        | false                  | 0.00                          |          |
| Alkanes, C10-13, chloro (Short Chain Chlorinated |           |       | All                    | Intentionally added or 0.1 mass% of article | false                  | 0.00                          |          |
| Aluminosilicate Refractory Ceramic               |           |       | All                    | 0.1 mass% of article                        | false                  | 0.00                          |          |
| Asbestos   |           |       | All                    | Intentionally added                         | false                  | 0.00                          |          |

|  |   |                        |   |   |       |      |
|--|---|------------------------|---|---|-------|------|
| Cadmium/Cadmium compounds                      |   |                        | Batteries   | 0.001% by weight of battery                           | false | 0.00 |
| Dibutyltin (DBT) compounds                     |   |                        | All   | 0.1 mass% of tin in the part                          | false | 0.00 |
| Diocetyl tin (DOT) compounds                   |   |                        | (a) textile and leather articles intended to come | 0.1 mass% of tin in the part                          | false | 0.00 |
| Disodium tetraborates                          |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Fluorinated Greenhouse Gases (PFC, SF6, HFC)   |   |                        | All   | Intentionally Added                                   | false | 0.00 |
| Hexabromocyclododecane (HBCDD)                 |   |                        | All   | Intentionally added or 0.01 mass% of article          | false | 0.00 |
| Hexahydromethylphthalic anhydride              |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Lead/Lead Compounds                            |   |                        | Consumer products designed or intended            | 0.01 mass%  | false | 0.00 |
| Lead/Lead Compounds                            |   |                        | Batteries   | 0.004 mass% of battery                                | false | 0.00 |
| Mercury/Mercury Compounds                      |   |                        | Batteries   | Intentionally added or 0.0001 mass% of battery        | false | 0.00 |
| Nickel/Nickel Compounds                        |   |                        | All, where prolonged skin contact is expected     | Intentionally Added                                   | false | 0.00 |
| Nonadecafluorodecanoic acid (PFDA) and its     |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Ozone Depleting Substances (CFC, Halon,        |   |                        | All   | Intentionally Added                                   | false | 0.00 |
| Perchlorates                                   |   |                        | All   | 6 x 10 <sup>-7</sup> mass% of battery or product part | false | 0.00 |
| Perfluorohexane-1-sulphonic acid and its salts |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Perfluorononane-1-oic acid and its sodium and  |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Perfluorooctanoic acid and its salts           |   |                        | All   | 0.0000025 mass% of PFOA including its salts in        | false | 0.00 |
| PFOA-related substances                        |   |                        | All   | 0.0001 mass% of one or a combination of               | false | 0.00 |
| Polychlorinated Biphenyls (PCBs) and           |   |                        | All   | Intentionally added                                   | false | 0.00 |
| Polychlorinated naphthalenes                   |   |                        | All   | Intentionally added                                   | false | 0.00 |
| Radioactive substances                         |   |                        | All   | Intentionally added                                   | false | 0.00 |
| Tris(4-nonylphenyl, branched and linear)       |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
| Tri-substituted organostannic                  |   |                        | All   | Intentionally added or 0.1 mass% of tin in the part   | false | 0.00 |
| Zirconia Aluminosilicate Refractory Ceramic    |   |                        | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | [Phthalato(2-)]dioxotrilead                         | 69011-06-9             | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters | 68515-51-5; 68648-93-1 | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched      | 71888-89-6             | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched     | 68515-42-4             | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, dihexyl ester,        | 68515-50-4             | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, dipentyl ester,       | 84777-06-0             | All   | 0.1 mass% of article                                  | false | 0.00 |
|  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME;             | 112-49-2               | All   | 0.1 mass% of article                                  | false | 0.00 |

|   |                       |  |   |       |      |
|---|-----------------------|--|---|-------|------|
| 1,2-diethoxyethane                                    | 629-14-1              | All  | 0.1 mass% of article                        | false | 0.00 |
| 1,2-dimethoxyethane;<br>ethylene glycol dimethyl      | 110-71-4              | All  | 0.1 mass% of article                        | false | 0.00 |
| 1,3-propanesultone                                    | 1120-71-4             | All  | 0.1 mass% of article                        | false | 0.00 |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) | 36437-37-3            | All  | 0.1 mass% of article                        | false | 0.00 |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol       | 25973-55-1            | All  | 0.1 mass% of article                        | false | 0.00 |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane             | 6807-17-6             | All  | 0.1 mass% of article                        | false | 0.00 |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)pheno  | 3864-99-1             | All  | 0.1 mass% of article                        | false | 0.00 |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 3846-71-7             | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo               | 15571-58-1            | All  | 0.1 mass% of article                        | false | 0.00 |
| 4-(1,1,3,3-tetramethylbutyl)phenol                    | 140-66-9              | All  | 0.1 mass% of article                        | false | 0.00 |
| 4,4'-isopropylidenediphenol                           | 80-05-7               | All  | Intentionally added or 0.1 mass% of article | true  | 0.88 |
| 4-aminoazobenzene                                     | 60-09-3               | All  | 0.1 mass% of article                        | false | 0.00 |
| Ammonium pentadecafluorooctanoat                      | 3825-26-1             | All  | 0.1 mass% of article                        | false | 0.00 |
| Benz[a]anthracene                                     | 56-55-3;<br>1718-53-2 | All  | 0.1 mass% of article                        | false | 0.00 |
| Benzo[a]anthracene (BaA)                              | 56-55-3               | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[a]anthracene (BaA)                              | 56-55-3               | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzo[a]pyrene (BaP)                                  | 50-32-8               | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[a]pyrene (BaP)                                  | 50-32-8               | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzo[b]fluoranthene (BbFA)                           | 205-99-2              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[b]fluoranthene (BbFA)                           | 205-99-2              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzo[def]chrysene (Benzo[a]pyrene)                   | 50-32-8               | All  | 0.1 mass% of article                        | false | 0.00 |
| Benzo[e]pyrene (BeP)                                  | 192-97-2              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[e]pyrene (BeP)                                  | 192-97-2              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzo[ghi]perylene                                    | 191-24-2              | All  | 0.1 mass% of article                        | false | 0.00 |
| Benzo[j]fluoranthene (BjFA)                           | 205-82-3              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[j]fluoranthene (BjFA)                           | 205-82-3              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzo[k]fluoranthene                                  | 207-08-9              | All  | 0.1 mass% of article                        | false | 0.00 |
| Benzo[k]fluoranthene (BkFA)                           | 207-08-9              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
| Benzo[k]fluoranthene (BkFA)                           | 207-08-9              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
| Benzyl butyl phthalate (BBP)                          | 85-68-7               | All  | 0.1 mass% in homogenous material            | false | 0.00 |
| Beryllium Oxide                                       | 1304-56-9             | All  | 0.1 mass%                                   | false | 0.00 |

|  |                                |                           |  |   |       |      |
|--|--------------------------------|---------------------------|--|---|-------|------|
|  | Bis(2-ethylhexyl)phthalate     | 117-81-7                  | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Bis(2-methoxyethyl) ether      | 111-96-6                  | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(2-methoxyethyl) phthalate  | 117-82-8                  | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(pentabromophenyl) ether    | 1163-19-5                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(tributyltin) oxide (TBTO)  | 56-35-9                   | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | Boric acid                     | 10043-35-3;<br>11113-50-1 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium                        | 7440-43-9                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium hydroxide              | 21041-95-2                | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium oxide                  | 1306-19-0                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium sulphide               | 1306-23-6                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Chrysen (CHR)                  | 218-01-9                  | Rubber or plastic parts that come into direct. | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Chrysen (CHR)                  | 218-01-9                  | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Chrysene                       | 218-01-9;<br>1719-03-5    | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cobalt dichloride              | 7646-79-9                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Decamethylcyclopentasiloxane   | 541-02-6                  | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diarsenic pentoxide            | 1303-28-2                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diarsenic trioxide             | 1327-53-3                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dibenzo[a,h]anthracene (DBAhA) | 53-70-3                   | Rubber or plastic parts that come into direct. | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Dibenzo[a,h]anthracene (DBAhA) | 53-70-3                   | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Diboron trioxide               | 1303-86-2                 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dibutyl phthalate (DBP)        | 84-74-2                   | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Dibutyltin dichloride (DBTC)   | 683-18-1                  | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dicyclohexyl phthalate         | 84-61-7                   | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diisobutyl phthalate           | 84-69-5                   | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Di-isodecyl phthalate (DIDP)   | 68515-49-1;<br>26761-40-0 | All  | Intentionally added                         | false | 0.00 |
|  | Diisononyl phthalate (DINP)    | 28553-12-0;<br>68515-48-0 | All  | Intentionally added                         | false | 0.00 |
|  | Diisopentyl phthalate          | 605-50-5                  | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dimethylfumarate (DMF)         | 624-49-7                  | All  | 0.00001 mass% of the part                   | false | 0.00 |
|  | Di-n-hexyl phthalate (DnHP)    | 84-75-3                   | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | Dioxobis(stearato)trilead      | 12578-12-0                | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dipentyl phthalate (DPP)       | 131-18-0                  | All  | 0.1 mass% of article                        | false | 0.00 |

|   |                         |          |                          |       |      |
|---|-------------------------|----------|--------------------------|-------|------|
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-d                               | 573-58-0                | All      | 0.1 mass% of article     | false | 0.00 |
| Disodium 4-amino-3-[[4'-[(2,4-diami                                 | 1937-37-7               | All      | 0.1 mass% of article     | false | 0.00 |
| Disodium octaborate   | 12008-41-2              | All      | 0.1 mass% of article     | false | 0.00 |
| Dodecamethylcyclohexasiloxane                                       | 540-97-6                | All      | 0.1 mass% of article     | false | 0.00 |
| Fatty acids, C16-18, lead salts                                     | 91031-62-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Fluoranthene  | 206-44-0;<br>93951-69-0 | All      | 0.1 mass% of article     | false | 0.00 |
| Formaldehyde  | 50-00-0                 | Textiles | 0.0075 mass % of textile | false | 0.00 |
| Imidazolidine-2-thione (2-imidazoline-2-thiol)                      | 96-45-7                 | All      | 0.1 mass% of article     | false | 0.00 |
| Lead  | 7439-92-1               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead chromate   | 7758-97-6               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead chromate molybdate sulphate red (C.I. Pigment                  | 12656-85-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead cyanamidate  | 20837-86-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead dinitrate  | 10099-74-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead oxide sulfate  | 12036-76-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead sulfochromate yellow (C.I. Pigment                             | 1344-37-2               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead titanium trioxide  | 12060-00-3              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead titanium zirconium oxide                                       | 12626-81-2              | All      | 0.1 mass% of article     | false | 0.00 |
| N,N-dimethylformamide   | 68-12-2                 | All      | 0.1 mass% of article     | false | 0.00 |
| N-pentyl-isopentylphthalate   | 776297-69-9             | All      | 0.1 mass% of article     | false | 0.00 |
| Octamethylcyclotetrasiloxane  | 556-67-2                | All      | 0.1 mass% of article     | false | 0.00 |
| Orange lead (lead tetroxide)  | 1314-41-6               | All      | 0.1 mass% of article     | false | 0.00 |
| Pentadecafluorooctanoic acid (PFOA)                                 | 335-67-1                | All      | 0.1 mass% of article     | false | 0.00 |
| Pentalead tetraoxide sulphate                                       | 12065-90-6              | All      | 0.1 mass% of article     | false | 0.00 |
| Pentazinc chromate octahydroxide                                    | 49663-84-5              | All      | 0.1 mass% of article     | false | 0.00 |
| Phenanthrene  | 85-01-8                 | All      | 0.1 mass% of article     | false | 0.00 |
| Potassium hydroxoctaoxidizincated                                   | 11103-86-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Pyrene  | 129-00-0;<br>1718-52-1  | All      | 0.1 mass% of article     | false | 0.00 |
| Pyrochlore, antimony lead yellow                                    | 8012-00-8               | All      | 0.1 mass% of article     | false | 0.00 |
| Reaction mass of 2-ethylhexyl                                       |                         | All      | 0.1 mass% of article     | false | 0.00 |
| Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), | 68784-75-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Strontium chromate  | 7789-06-2               | All      | 0.1 mass% of article     | false | 0.00 |



|  |                                    |            |     |                      |       |      |  |
|--|------------------------------------|------------|-----|----------------------|-------|------|--|
|  | Sulfurous acid, lead salt, dibasic | 62229-08-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Terphenyl, hydrogenated            | 61788-32-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Tetralead trioxide sulphate        | 12202-17-4 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Trilead dioxide phosphonate        | 12141-20-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Tris(2-chloroethyl) phosphate      | 115-96-8   | All | 0.1 mass% of article | false | 0.00 |  |
|  | Trixylyl phosphate                 | 25155-23-1 | All | 0.1 mass% of article | false | 0.00 |  |

| Part ID       | Description | # of Units | Part Mass % |
|---------------|-------------|------------|-------------|
| Other Items 1 | Other Items | 1          | 99.79       |

## RoHS

| Homogenous Material Name | Material Class ID | HM Mass % | Substance Group                       | Reportable Application                    | Reporting Threshold                       | Above Threshold? (T/F) | Substance Mass % of HM | Exemption | Comments |
|--------------------------|-------------------|-----------|---------------------------------------|---|---|------------------------|------------------------|-----------|----------|
|                          |                   |           | Benzyl butyl phthalate (BBP)          | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Bis (2-ethylhexyl)phthalate           | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Cadmium/Cadmium compounds             | All, except batteries                     | 0.01 mass% of total Cd in homogenous      | false                  |                        |           |          |
|                          |                   |           | Chromium (VI) Compounds               | All                                       | 0.1 mass% of total Cr+6 in homogenous     | false                  |                        |           |          |
|                          |                   |           | Dibutyl phthalate (DBP)               | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Diisobutyl phthalate                  | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Lead/Lead Compounds                   | All, except for: 1. batteries, 2. surface | 0.1 mass% of total Pb in homogenous       | false                  |                        |           |          |
|                          |                   |           | Mercury/Mercury Compounds             | All, except batteries                     | Intentionally Added or 0.1 mass% of total | false                  |                        |           |          |
|                          |                   |           | Polybrominated biphenyls (PBB)        | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |
|                          |                   |           | Polybrominated diphenyl ethers (PBDE) | All                                       | 0.1 mass% in homogenous material          | false                  |                        |           |          |

## Low Halogen

| Homogenous Material Name | Material Class ID | HM Mass % | Substance Group                         | Reportable Application               | Reporting Threshold                  | Above Threshold? (T/F) | Substance Mass % of HM | Comments |
|--------------------------|-------------------|-----------|---|--------------------------------------|--------------------------------------|------------------------|------------------------|----------|
|                          |                   |           | Brominated flame retardants (other than | Printed wiring board laminate        | 0.09 mass% total bromine content in  | false                  |                        |          |
|                          |                   |           | Chlorinated Flame Retardants (CFR)      | Printed Wiring Board (PWB) Laminates | 0.09 mass% total chlorine content in | false                  |                        |          |
|                          | M-012             |           | PVC                                     |                                      |                                      | false                  |                        |          |

## Other Declarable Substances

| Substance Group                                  | Substance | CAS # | Reportable Application | Reporting Threshold                         | Above Threshold? (T/F) | Substance Mass (% of Article) | Comments |
|--|-----------|-------|------------------------|---|------------------------|-------------------------------|----------|
| 1,6,7,8,9,14,15,16,17,17, 18,18-Dodecachloropent |           |       | All                    | 0.1 mass% of article                        | false                  |                               |          |
| 4-Nonylphenol, branched and linear, ethoxylated  |           |       | All                    | 0.1 mass% of article                        | false                  |                               |          |
| Alkanes, C10-13, chloro (Short Chain Chlorinated |           |       | All                    | Intentionally added or 0.1 mass% of article | false                  |                               |          |
| Aluminosilicate Refractory Ceramic               |           |       | All                    | 0.1 mass% of article                        | false                  |                               |          |
| Asbestos   |           |       | All                    | Intentionally added                         | false                  |                               |          |

|  |   |                        |   |   |       |  |      |
|--|---|------------------------|---|---|-------|--|------|
| Cadmium/Cadmium compounds                      |   |                        | Batteries   | 0.001% by weight of battery                           | false |  |      |
| Dibutyltin (DBT) compounds                     |   |                        | All   | 0.1 mass% of tin in the part                          | false |  |      |
| Dioctyltin (DOT) compounds                     |   |                        | (a) textile and leather articles intended to come | 0.1 mass% of tin in the part                          | false |  |      |
| Disodium tetraborates                          |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Fluorinated Greenhouse Gases (PFC, SF6, HFC)   |   |                        | All   | Intentionally Added                                   | false |  |      |
| Hexabromocyclododecane (HBCDD)                 |   |                        | All   | Intentionally added or 0.01 mass% of article          | false |  |      |
| Hexahydromethylphthalic anhydride              |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Lead/Lead Compounds                            |   |                        | Consumer products designed or intended            | 0.01 mass%  | false |  |      |
| Lead/Lead Compounds                            |   |                        | Batteries   | 0.004 mass% of battery                                | false |  |      |
| Mercury/Mercury Compounds                      |   |                        | Batteries   | Intentionally added or 0.0001 mass% of battery        | false |  |      |
| Nickel/Nickel Compounds                        |   |                        | All, where prolonged skin contact is expected     | Intentionally Added                                   | false |  |      |
| Nonadecafluorodecanoic acid (PFDA) and its     |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Ozone Depleting Substances (CFC, Halon,        |   |                        | All   | Intentionally Added                                   | false |  |      |
| Perchlorates                                   |   |                        | All   | 6 x 10 <sup>-7</sup> mass% of battery or product part | false |  |      |
| Perfluorohexane-1-sulphonic acid and its salts |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Perfluorononan-1-oic acid and its sodium and   |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Perfluorooctanoic acid and its salts           |   |                        | All   | 0.0000025 mass% of PFOA including its salts in        | false |  |      |
| PFOA-related substances                        |   |                        | All   | 0.0001 mass% of one or a combination of               | false |  |      |
| Polychlorinated Biphenyls (PCBs) and           |   |                        | All   | Intentionally added                                   | false |  |      |
| Polychlorinated naphthalenes                   |   |                        | All   | Intentionally added                                   | false |  |      |
| Radioactive substances                         |   |                        | All   | Intentionally added                                   | false |  |      |
| Tris(4-nonylphenyl, branched and linear)       |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
| Tri-substituted organostannic                  |   |                        | All   | Intentionally added or 0.1 mass% of tin in the part   | false |  |      |
| Zirconia Aluminosilicate Refractory Ceramic    |   |                        | All   | 0.1 mass% of article                                  | false |  |      |
|  | [Phthalato(2-)]dioxotrilead                         | 69011-06-9             | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters | 68515-51-5; 68648-93-1 | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched      | 71888-89-6             | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched     | 68515-42-4             | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, dihexyl ester,        | 68515-50-4             | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-Benzenedicarboxylic acid, dipentyl ester,       | 84777-06-0             | All   | 0.1 mass% of article                                  | false |  | 0.00 |
|  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME;             | 112-49-2               | All   | 0.1 mass% of article                                  | false |  | 0.00 |

|  |   |                       |  |   |       |      |
|--|---|-----------------------|--|---|-------|------|
|  | 1,2-diethoxyethane                                    | 629-14-1              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 1,2-dimethoxyethane;<br>ethylene glycol dimethyl      | 110-71-4              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 1,3-propanesultone                                    | 1120-71-4             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) | 36437-37-3            | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol       | 25973-55-1            | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane             | 6807-17-6             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)pheno  | 3864-99-1             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 3846-71-7             | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | 2-ethylhexyl<br>10-ethyl-4,4-dioctyl-7-oxo            | 15571-58-1            | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 4-(1,1,3,3-tetramethylbutyl)phenol                    | 140-66-9              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | 4,4'-isopropylidenediphenol                           | 80-05-7               | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | 4-aminoazobenzene                                     | 60-09-3               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Ammonium pentadecafluorooctanoat                      | 3825-26-1             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Benz[a]anthracene                                     | 56-55-3;<br>1718-53-2 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Benzo[a]anthracene (BaA)                              | 56-55-3               | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[a]anthracene (BaA)                              | 56-55-3               | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzo[a]pyrene (BaP)                                  | 50-32-8               | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[a]pyrene (BaP)                                  | 50-32-8               | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzo[b]fluoranthene (BbFA)                           | 205-99-2              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[b]fluoranthene (BbFA)                           | 205-99-2              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzo[def]chrysene (Benzo[a]pyrene)                   | 50-32-8               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Benzo[e]pyrene (BeP)                                  | 192-97-2              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[e]pyrene (BeP)                                  | 192-97-2              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzo[ghi]perylene                                    | 191-24-2              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Benzo[j]fluoranthene (BjFA)                           | 205-82-3              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[j]fluoranthene (BjFA)                           | 205-82-3              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzo[k]fluoranthene                                  | 207-08-9              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Benzo[k]fluoranthene (BkFA)                           | 207-08-9              | Rubber or plastic parts that come into direct, | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Benzo[k]fluoranthene (BkFA)                           | 207-08-9              | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Benzyl butyl phthalate (BBP)                          | 85-68-7               | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Beryllium Oxide                                       | 1304-56-9             | All  | 0.1 mass%                                   | false | 0.00 |

|  |                                |                        |  |   |       |      |
|--|--------------------------------|------------------------|--|---|-------|------|
|  | Bis(2-ethylhexyl)phthalate     | 117-81-7               | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Bis(2-methoxyethyl) ether      | 111-96-6               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(2-methoxyethyl) phthalate  | 117-82-8               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(pentabromophenyl) ether    | 1163-19-5              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Bis(tributyltin) oxide (TBTO)  | 56-35-9                | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | Boric acid                     | 10043-35-3; 11113-50-1 | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium                        | 7440-43-9              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium hydroxide              | 21041-95-2             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium oxide                  | 1306-19-0              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cadmium sulphide               | 1306-23-6              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Chrysen (CHR)                  | 218-01-9               | Rubber or plastic parts that come into direct. | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Chrysen (CHR)                  | 218-01-9               | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Chrysene                       | 218-01-9; 1719-03-5    | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Cobalt dichloride              | 7646-79-9              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Decamethylcyclopentasiloxane   | 541-02-6               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diarsenic pentoxide            | 1303-28-2              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diarsenic trioxide             | 1327-53-3              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dibenzo[a,h]anthracene (DBAhA) | 53-70-3                | Rubber or plastic parts that come into direct. | 0.0001 mass% of the plastic or rubber part  | false | 0.00 |
|  | Dibenzo[a,h]anthracene (DBAhA) | 53-70-3                | Rubber or plastic parts of toys and childcare  | 0.00005 mass% of the plastic or rubber part | false | 0.00 |
|  | Diboron trioxide               | 1303-86-2              | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dibutyl phthalate (DBP)        | 84-74-2                | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Dibutyltin dichloride (DBTC)   | 683-18-1               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dicyclohexyl phthalate         | 84-61-7                | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Diisobutyl phthalate           | 84-69-5                | All  | 0.1 mass% in homogenous material            | false | 0.00 |
|  | Di-isodecyl phthalate (DIDP)   | 68515-49-1; 26761-40-0 | All  | Intentionally added                         | false | 0.00 |
|  | Diisononyl phthalate (DINP)    | 28553-12-0; 68515-48-0 | All  | Intentionally added                         | false | 0.00 |
|  | Diisopentyl phthalate          | 605-50-5               | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dimethylfumarate (DMF)         | 624-49-7               | All  | 0.00001 mass% of the part                   | false | 0.00 |
|  | Di-n-hexyl phthalate (DnHP)    | 84-75-3                | All  | Intentionally added or 0.1 mass% of article | false | 0.00 |
|  | Dioxobis(stearato)trilead      | 12578-12-0             | All  | 0.1 mass% of article                        | false | 0.00 |
|  | Dipentyl phthalate (DPP)       | 131-18-0               | All  | 0.1 mass% of article                        | false | 0.00 |

|  |                         |          |                          |       |      |
|--|-------------------------|----------|--------------------------|-------|------|
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-d              | 573-58-0                | All      | 0.1 mass% of article     | false | 0.00 |
| Disodium 4-amino-3-[[4'-[(2,4-diami                | 1937-37-7               | All      | 0.1 mass% of article     | false | 0.00 |
| Disodium octaborate                                | 12008-41-2              | All      | 0.1 mass% of article     | false | 0.00 |
| Dodecamethylcyclohexasiloxane                      | 540-97-6                | All      | 0.1 mass% of article     | false | 0.00 |
| Fatty acids, C16-18, lead salts                    | 91031-62-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Fluoranthene                                       | 206-44-0;<br>93951-69-0 | All      | 0.1 mass% of article     | false | 0.00 |
| Formaldehyde                                       | 50-00-0                 | Textiles | 0.0075 mass % of textile | false | 0.00 |
| Imidazolidine-2-thione (2-imidazoline-2-thiol)     | 96-45-7                 | All      | 0.1 mass% of article     | false | 0.00 |
| Lead   | 7439-92-1               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead chromate                                      | 7758-97-6               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead chromate molybdate sulphate red (C.I. Pigment | 12656-85-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead cyanamidate                                   | 20837-86-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead dinitrate                                     | 10099-74-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead oxide sulfate                                 | 12036-76-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead sulfochromate yellow (C.I. Pigment            | 1344-37-2               | All      | 0.1 mass% of article     | false | 0.00 |
| Lead titanium trioxide                             | 12060-00-3              | All      | 0.1 mass% of article     | false | 0.00 |
| Lead titanium zirconium oxide                      | 12626-81-2              | All      | 0.1 mass% of article     | false | 0.00 |
| N,N-dimethylformamide                              | 68-12-2                 | All      | 0.1 mass% of article     | false | 0.00 |
| N-pentyl-isopentylphthalate                        | 776297-69-9             | All      | 0.1 mass% of article     | false | 0.00 |
| Octamethylcyclotetrasiloxane                       | 556-67-2                | All      | 0.1 mass% of article     | false | 0.00 |
| Orange lead (lead tetroxide)                       | 1314-41-6               | All      | 0.1 mass% of article     | false | 0.00 |
| Pentadecafluorooctanoic acid (PFOA)                | 335-67-1                | All      | 0.1 mass% of article     | false | 0.00 |
| Pentalead tetraoxide sulphate                      | 12065-90-6              | All      | 0.1 mass% of article     | false | 0.00 |
| Pentazinc chromate octahydroxide                   | 49663-84-5              | All      | 0.1 mass% of article     | false | 0.00 |
| Phenanthrene                                       | 85-01-8                 | All      | 0.1 mass% of article     | false | 0.00 |
| Potassium hydroxoctaoxidizincated                  | 11103-86-9              | All      | 0.1 mass% of article     | false | 0.00 |
| Pyrene   | 129-00-0;<br>1718-52-1  | All      | 0.1 mass% of article     | false | 0.00 |
| Pyrochlore, antimony lead yellow                   | 8012-00-8               | All      | 0.1 mass% of article     | false | 0.00 |
| Reaction mass of 2-ethylhexyl                      |                         | All      | 0.1 mass% of article     | false | 0.00 |
| Silicic acid (H2Si2O5), barium salt (1:1),         | 68784-75-8              | All      | 0.1 mass% of article     | false | 0.00 |
| Strontium chromate                                 | 7789-06-2               | All      | 0.1 mass% of article     | false | 0.00 |

|  |                                    |            |     |                      |       |      |  |
|--|------------------------------------|------------|-----|----------------------|-------|------|--|
|  | Sulfurous acid, lead salt, dibasic | 62229-08-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Terphenyl, hydrogenated            | 61788-32-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Tetralead trioxide sulphate        | 12202-17-4 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Trilead dioxide phosphonate        | 12141-20-7 | All | 0.1 mass% of article | false | 0.00 |  |
|  | Tris(2-chloroethyl) phosphate      | 115-96-8   | All | 0.1 mass% of article | false | 0.00 |  |
|  | Trixylyl phosphate                 | 25155-23-1 | All | 0.1 mass% of article | false | 0.00 |  |