



## Reach SVHC Declaration of Compliance

Document Number : ETI-ERSD-2013-13

Date of Issue : 16. Jul. 2013

**Product** : Lithium-ion Rechargeable Battery

**Model No.** : LI202SX-8700

**Specifications:** 10.8V, 8700mAh

**Company** : Enertech International, Inc.

We, Enertech International, Inc., hereby confirm that our products and parts do not contain more than 0.1% weight (w/w) threshold of any Substance of Very High Concern (SVHC) on the European Chemicals Agency (ECHA) candidate lists provided on the following page.

We will continue to monitor and update the REACH regulations for any new Substances of Very High Concern (SVHC) that may be included in subsequent ECHA candidate lists<sup>(1)</sup>. Enertech International, Inc. will compare any newly listed SVHC with the raw materials in our finished product lines and share that information with our clients.

Signature of Responsible Officer



QA General Manager Shik Jeong Yoo

enertech international, inc

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Phone : 82-2-3457-8600 / Fax : 82-2-564-3566 / Homepage : [www.enertechint.com](http://www.enertechint.com)

**Number of Substances on the Candidate List: 138 (last updated: 19/12/2012)**

| Substance Name  | EC Number   | CAS Number  | Date Added to SVHC Candidate List | Present in amounts greater than 0.1% by article weight |
|---|---|---|-----------------------------------|--|
| 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> | 247-094-1,<br>243-072-0,<br>256-356-4,<br>260-566-1 | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 2012-12-19                        | No   |
| 6-methoxy-m-toluidine (p-cresidine)   | 204-419-1   | 120-71-8  | 2012-12-19                        | No   |
| 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>  | 201-604-9,<br>236-086-3,<br>238-009-9               | 85-42-7<br>13149-00-3<br>14166-21-3                     | 2012-12-19                        | No   |
| Pyrochlore, antimony lead yellow  | 232-382-1   | 8012-00-8   | 2012-12-19                        | No   |
| Henicosfluoroundecanoic acid  | 218-165-4   | 2058-94-8   | 2012-12-19                        | No   |
| 4-Aminoazobenzene   | 200-453-6   | 1960-09-03  | 2012-12-19                        | No   |
| Silicic acid, lead salt   | 234-363-3   | 11120-22-2  | 2012-12-19                        | No   |
| Lead titanium zirconium oxide   | 235-727-4   | 12626-81-2  | 2012-12-19                        | No   |
| Lead monoxide (lead oxide)  | 215-267-0   | 1317-36-8   | 2012-12-19                        | No   |
| o-Toluidine   | 202-429-0   | 95-53-4   | 2012-12-19                        | No   |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 421-150-7   | 143860-04-2   | 2012-12-19                        | No   |
| Dibutyltin dichloride (DBTC)  | 211-670-0   | 683-18-1  | 2012-12-19                        | No   |
| Lead bis(tetrafluoroborate)   | 237-486-0   | 13814-96-5  | 2012-12-19                        | No   |
| Lead dinitrate  | 233-245-9   | 10099-74-8  | 2012-12-19                        | No   |

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|  |           |             |            |    |
|--|-----------|-------------|------------|----|
| Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped<br>[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] | 272-271-5 | 68784-75-8  | 2012-12-19 | No |
| Trilead bis(carbonate)dihydroxide  | 215-290-6 | 1319-46-6   | 2012-12-19 | No |
| 4,4'-methylenedi-o-toluidine   | 212-658-8 | 838-88-0    | 2012-12-19 | No |
| Diethyl sulphate   | 200-589-6 | 64-67-5     | 2012-12-19 | No |
| Dimethyl sulphate  | 201-058-1 | 77-78-1     | 2012-12-19 | No |
| N,N-dimethylformamide  | 200-679-5 | 1968-12-02  | 2012-12-19 | No |
| No 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]   | -         | -           | 2012-12-19 | No |
| 4-Nonylphenol, branched and linear [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]   | -         | -           | 2012-12-19 | No |
| Furan  | 203-727-3 | 110-00-9    | 2012-12-19 | No |
| Lead oxide sulfate   | 234-853-7 | 12036-76-9  | 2012-12-19 | No |
| Lead titanium trioxide   | 235-038-9 | 12060-00-3  | 2012-12-19 | No |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)   | 214-604-9 | 1163-19-5   | 2012-12-19 | No |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)  | 201-861-7 | 88-85-7     | 2012-12-19 | No |
| 1,2-Diethoxyethane   | 211-076-1 | 629-14-1    | 2012-12-19 | No |
| N-methylacetamide  | 201-182-6 | 79-16-3     | 2012-12-19 | No |
| Tetralead trioxide sulphate  | 235-380-9 | 12202-17-4  | 2012-12-19 | No |
| Acetic acid, lead salt, basic  | 257-175-3 | 51404-69-4  | 2012-12-19 | No |
| [Phthalato(2-)]dioxotrilead  | 273-688-5 | 69011-06-9  | 2012-12-19 | No |
| Tetraethyllead   | 201-075-4 | 78-00-2     | 2012-12-19 | No |
| N-pentyl-isopentylphthalate  | -         | 776297-69-9 | 2012-12-19 | No |

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|  |           |            |            |    |
|--|-----------|------------|------------|----|
| Pentalead tetraoxide sulphate  | 235-067-7 | 12065-90-6 | 2012-12-19 | No |
| Heptacosafuorotetradecanoic acid   | 206-803-4 | 376-06-7   | 2012-12-19 | No |
| Tricosafuorododecanoic acid  | 206-203-2 | 307-55-1   | 2012-12-19 | No |
| 1-bromopropane (n-propyl bromide)  | 203-445-0 | 106-94-5   | 2012-12-19 | No |
| Dioxobis(stearato)trilead  | 235-702-8 | 12578-12-0 | 2012-12-19 | No |
| Pentacosafuorotridecanoic acid   | 276-745-2 | 72629-94-8 | 2012-12-19 | No |
| Methoxyacetic acid   | 210-894-6 | 625-45-6   | 2012-12-19 | No |
| Methyloxirane (Propylene oxide)  | 200-879-2 | 75-56-9    | 2012-12-19 | No |
| Trilead dioxide phosphonate  | 235-252-2 | 12141-20-7 | 2012-12-19 | No |
| o-aminoazotoluene  | 202-591-2 | 97-56-3    | 2012-12-19 | No |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine)  | 202-453-1 | 95-80-7    | 2012-12-19 | No |
| Diisopentylphthalate   | 210-088-4 | 605-50-5   | 2012-12-19 | No |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear   | 284-032-2 | 84777-06-0 | 2012-12-19 | No |
| Biphenyl-4-ylamine   | 202-177-1 | 92-67-1    | 2012-12-19 | No |
| Fatty acids, C16-18, lead salts  | 292-966-7 | 91031-62-8 | 2012-12-19 | No |
| Orange lead (lead tetroxide)   | 215-235-6 | 1314-41-6  | 2012-12-19 | No |
| 4,4'-oxydianiline and its salts  | 202-977-0 | 101-80-4   | 2012-12-19 | No |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))  | 204-650-8 | 123-77-3   | 2012-12-19 | No |
| Sulfurous acid, lead salt, dibasic   | 263-467-1 | 62229-08-7 | 2012-12-19 | No |
| Lead cyanamidate   | 244-073-9 | 20837-86-9 | 2012-12-19 | No |
| $\alpha,\alpha$ -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)] | 229-851-8 | 6786-83-0  | 2012-06-18 | No |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)  | 423-400-0 | 59653-74-6 | 2012-06-18 | No |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 202-959-2 | 101-61-1   | 2012-06-18 | No |
| Diboron trioxide   | 215-125-8 | 1303-86-2  | 2012-06-18 | No |

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|   |           |            |            |    |
|---|-----------|------------|------------|----|
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)   | 203-977-3 | 112-49-2   | 2012-06-18 | No |
| Formamide   | 200-842-0 | 1975-12-07 | 2012-06-18 | No |
| 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)]   | 209-218-2 | 561-41-1   | 2012-06-18 | No |
| Lead(II) bis(methanesulfonate)  | 401-750-5 | 17570-76-2 | 2012-06-18 | No |
| [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)]                  | 208-953-6 | 548-62-9   | 2012-06-18 | No |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)   | 203-794-9 | 110-71-4   | 2012-06-18 | No |
| [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)] | 219-943-6 | 2580-56-5  | 2012-06-18 | No |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)  | 219-514-3 | 2451-62-9  | 2012-06-18 | No |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)  | 202-027-5 | 90-94-8    | 2012-06-18 | No |
| Phenolphthalein   | 201-004-7 | 1977-09-08 | 2011-12-19 | No |
| N,N-dimethylacetamide   | 204-826-4 | 127-19-5   | 2011-12-19 | No |
| 4-(1,1,3,3-tetramethylbutyl)phenol  | 205-426-2 | 140-66-9   | 2011-12-19 | No |
| Lead diazide, Lead azide  | 236-542-1 | 13424-46-9 | 2011-12-19 | No |
| Lead dipicrate  | 229-335-2 | 6477-64-1  | 2011-12-19 | No |
| 1,2-dichloroethane  | 203-458-1 | 107-06-2   | 2011-12-19 | No |
| Calcium arsenate  | 231-904-5 | 7778-44-1  | 2011-12-19 | No |
| Dichromium tris(chromate)   | 246-356-2 | 24613-89-6 | 2011-12-19 | No |
| 2-Methoxyaniline; o-Anisidine   | 201-963-1 | 90-04-0    | 2011-12-19 | No |
| Pentazinc chromate octahydroxide  | 256-418-0 | 49663-84-5 | 2011-12-19 | No |
| Arsenic acid  | 231-901-9 | 7778-39-4  | 2011-12-19 | No |

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|  |           |            |                         |    |
|--|-----------|------------|-------------------------|----|
| Potassium hydroxyoctaoxodizincatedichromate  | 234-329-8 | 11103-86-9 | 2011-12-19              | No |
| Formaldehyde, oligomeric reaction products with aniline  | 500-036-1 | 25214-70-4 | 2011-12-19              | No |
| Lead styphnate   | 239-290-0 | 15245-44-0 | 2011-12-19              | No |
| Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight                      |           |            | 2011-12-19              | No |
| Bis(2-methoxyethyl) phthalate  | 204-212-6 | 117-82-8   | 2011-12-19              | No |
| Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight |           |            | 2011-12-19              | No |
| Trilead diarsenate   | 222-979-5 | 3687-31-8  | 2011-12-19              | No |
| Bis(2-methoxyethyl) ether  | 203-924-4 | 111-96-6   | 2011-12-19              | No |
| 2,2'-dichloro-4,4'-methylenedianiline  | 202-918-9 | 101-14-4   | 2011-12-19              | No |
| Cobalt dichloride  | 231-589-4 | 7646-79-9  | 2011/06/20 - 2008/10/28 | No |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich   | 276-158-1 | 71888-89-6 | 2011-06-20              | No |
| Strontium chromate   | 232-142-6 | 7789-06-02 | 2011-06-20              | No |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters  | 271-084-6 | 68515-42-4 | 2011-06-20              | No |

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|   |                         |                                      |            |    |
|---|-------------------------|--------------------------------------|------------|----|
| 1-Methyl-2-pyrrolidone  | 212-828-1               | 872-50-4                             | 2011-06-20 | No |
| 1,2,3-Trichloropropane  | 202-486-1               | 96-18-4                              | 2011-06-20 | No |
| 2-Ethoxyethyl acetate   | 203-839-2               | 111-15-9                             | 2011-06-20 | No |
| Hydrazine   | 206-114-9               | 302-01-2<br>7803-57-8                | 2011-06-20 | No |
| Cobalt(II) diacetate  | 200-755-8               | 71-48-7                              | 2010-12-15 | No |
| 2-Ethoxyethanol   | 203-804-1               | 110-80-5                             | 2010-12-15 | No |
| Cobalt(II) sulphate   | 233-334-2               | 10124-43-3                           | 2010-12-15 | No |
| Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 231-801-5,<br>236-881-5 | 7738-94-5<br>13530-68-2              | 2010-12-15 | No |
| 2-Methoxyethanol  | 203-713-7               | 109-86-4                             | 2010-12-15 | No |
| Chromium trioxide   | 215-607-8               | 1333-82-0                            | 2010-12-15 | No |
| Cobalt(II) carbonate  | 208-169-4               | 513-79-1                             | 2010-12-15 | No |
| Cobalt(II) dinitrate  | 233-402-1               | 10141-05-6                           | 2010-12-15 | No |
| Trichloroethylene   | 201-167-4               | 1979-01-06                           | 2010-06-18 | No |
| Potassium dichromate  | 231-906-6               | 7778-50-9                            | 2010-06-18 | No |
| Tetraboron disodium heptaoxide, hydrate   | 235-541-3               | 12267-73-1                           | 2010-06-18 | No |
| Boric acid  | 233-139-2,<br>234-343-4 | 10043-35-3,<br>11113-50-1            | 2010-06-18 | No |
| Ammonium dichromate   | 232-143-1               | 7789-09-05                           | 2010-06-18 | No |
| Sodium chromate   | 231-889-5               | 7775-11-03                           | 2010-06-18 | No |
| Disodium tetraborate, anhydrous   | 215-540-4               | 1303-96-4<br>1330-43-4<br>12179-04-3 | 2010-06-18 | No |
| Potassium chromate  | 232-140-5               | 7789-00-6                            | 2010-06-18 | No |
| Acrylamide  | 201-173-7               | 1979-06-01                           | 2010-03-30 | No |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34)  | 215-693-7               | 1344-37-2                            | 2010-01-13 | No |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104)   | 235-759-9               | 12656-85-8                           | 2010-01-13 | No |
| 2,4-Dinitrotoluene  | 204-450-0               | 121-14-2                             | 2010-01-13 | No |
| Anthracene oil  | 292-602-7               | 90640-80-5                           | 2010-01-13 | No |

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|   |                            |   |            |    |
|---|----------------------------|---|------------|----|
| Anthracene oil, anthracene paste, anthracene fraction   | 295-275-9                  | 91995-15-2  | 2010-01-13 | No |
| Anthracene oil, anthracene-low  | 292-604-8                  | 90640-82-7  | 2010-01-13 | No |
| Diisobutyl phthalate  | 201-553-2                  | 84-69-5   | 2010-01-13 | No |
| Tris(2-chloroethyl)phosphate  | 204-118-5                  | 115-96-8  | 2010-01-13 | No |
| Lead chromate   | 231-846-0                  | 7758-97-6   | 2010-01-13 | No |
| Anthracene oil, anthracene paste  | 292-603-2                  | 90640-81-6  | 2010-01-13 | No |
| Pitch, coal tar, high temp.   | 266-028-2                  | 65996-93-2  | 2010-01-13 | No |
| Anthracene oil, anthracene paste, distn. lights   | 295-278-5                  | 91995-17-4  | 2010-01-13 | No |
| Lead hydrogen arsenate  | 232-064-2                  | 7784-40-9   | 2008-10-28 | No |
| Benzyl butyl phthalate (BBP)  | 201-622-7                  | 85-68-7   | 2008-10-28 | No |
| Bis (2-ethylhexyl)phthalate (DEHP)  | 204-211-0                  | 117-81-7  | 2008-10-28 | No |
| Bis(tributyltin)oxide (TBTO)  | 200-268-0                  | 56-35-9   | 2008-10-28 | No |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)  | 201-329-4                  | 81-15-2   | 2008-10-28 | No |
| Diarsenic trioxide  | 215-481-4                  | 1327-53-3   | 2008-10-28 | No |
| Triethyl arsenate   | 427-700-2                  | 15606-95-8  | 2008-10-28 | No |
| Diarsenic pentaoxide  | 215-116-9                  | 1303-28-2   | 2008-10-28 | No |
| Sodium dichromate   | 234-190-3                  | 7789-12-0,<br>10588-01-9  | 2008-10-28 | No |
| Dibutyl phthalate (DBP)   | 201-557-4                  | 84-74-2   | 2008-10-28 | No |
| 4,4'- Diaminodiphenylmethane (MDA)  | 202-974-4                  | 101-77-9  | 2008-10-28 | No |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)   | 287-476-5                  | 85535-84-8  | 2008-10-28 | No |
| Anthracene  | 204-371-1                  | 120-12-7  | 2008-10-28 | No |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 247-148-4 and<br>221-695-9 | 25637-99-4,<br>3194-55-6<br>(134237-50-6)<br>(134237-51-7)<br>(134237-52-8) | 2008-10-28 | No |

(1) <http://echa.europa.eu/web/guest/candidate-list-table>