

ECHA Substances of Very High Concern

To whom it may concern,

On behalf of Power-Sonic Europe, I can confirm that none of the substances of very high concern (SVHC) mentioned in the European Chemicals Agency (ECHA) website and listed below are present in Power-Sonic Valve Regulated Lead Acid batteries.

The list has been taken from the following link:

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

K.Gainda

Technical Manager

Chemical Name	EC Number	CAS No.
4,4'- Diaminodiphenylmethane	202-974-4	101-77-9
Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	117-81-7
Anthracene	204-371-1	120-12-7
Diarsenic pentaoxide	215-116-9	1303-28-2
Diarsenic trioxide	215-481-4	1327-53-3
Triethyl arsenate	427-700-2	15606-95-8
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β -HBCDD, γ - HBCDD)	247-148-4 and 221-695-9	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)
Bis(tributyltin)oxide; Tributyltin oxide	200-268-0	56-35-9
Cobalt dichloride	231-589-4	7646-79-9
Lead hydrogen arsenate	232-064-2	7784-40-9
Sodium dichromate	234-190-3	7789-12-0 10588-01-9
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2

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Dibutyl phthalate	201-557-4	84-74-2
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
Benzyl butyl phthalate	201-622-7	85-68-7
Anthracene oil	292-602-7	90640-80-5
Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2
Anthracene oil, anthracene-low	292-604-8	90640-82-7
Anthracene oil, anthracene paste	292-603-2	90640-81-6
Coal tar pitch, high temperature	266-028-2	65996-93-2
2,4-Dinitrotoluene	204-450-0	121-14-2
Diisobutyl phthalate	201-553-2	84-69-5
Lead chromate	231-846-0	7758-97-6
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	235-759-9	12656-85-8
Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	215-693-7	1344-37-2
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8
Acrylamide	201-173-7	79-06-1
Trichloroethylene	201-167-4	79-01-6
Boric acid	233-139-2 and 234-343-4	10043-35-3 and 11113-50-1
Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
Potassium chromate	232-140-5	7789-00-6
Ammonium dichromate	232-143-1	7789-09-5
Potassium dichromate	231-906-6	7778-50-9
sodium chromate	231-889-5	7775-11-3
Cobalt(II) sulphate	233-334-2	10124-43-3
Cobalt(II) dinitrate	233-402-1	10141-05-6
Cobalt (II) carbonate	208-169-4	513-79-1

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Cobalt(II) diacetate	200-755-8	71-48-7
2-Methoxyethanol	203-713-7	109-86-4
2-Ethoxyethanol	203-804-1	110-80-5
Chromium trioxide	215-607-8	1333-82-0
Chromic acid	231-801-5	7738-94-5
Dichromic acid	236-881-5	13530-68-2
Oligomers of chromic acid and dichromic acid		
2-ethoxyethyl acetate	203-839-2	111-15-9
Strontium chromate	232-142-6	7789-06-2
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
Hydrazine	206-114-9	302-01-2 and 7803-57-8
1-methyl-2-pyrrolidone	212-828-1	872-50-4
1,2,3-trichloropropane	202-486-1	96-18-4
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
Zirconia Aluminosilicate Refractory Ceramic Fibres, fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008		
Calcium arsenate	231-904-5	7778-44-1
Bis(2-methoxyethyl) ether	203-924-4	111-96-6
Aluminosilicate Refractory Ceramic Fibres, are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008		
Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
Lead dipicrate	229-335-2	6477-64-1
N,N-dimethylacetamide	204-826-4	127-19-5
Arsenic acid	231-901-9	7778-39-4
2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
Trilead diarsenate	222-979-5	3687-31-8
1,2-dichloroethane	203-458-1	107-06-2
Pentazinc chromate octahydroxide	256-418-0	49663-84-5

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4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
Lead diazide, Lead azide	236-542-1	13424-46-9
Lead stypnate	239-290-0	15245-44-0
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4
Phenolphthalein	201-004-7	77-09-8
Dichromium tris(chromate)	246-356-2	24613-89-6
[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
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	423-400-0	59653-74-6
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
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
Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
Diboron trioxide	215-125-8	1303-86-2
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)]	229-851-8	6786-83-0
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue26) [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
Formamide	200-842-0	75-12-7
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-

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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	-	-
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
Pentacosafuorotridecanoic acid	276-745-2	72629-94-8
Tricosafuorododecanoic acid	206-203-2	307-55-1
Henicosafuoroundecanoic acid	218-165-4	2058-94-8
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
Cyclohexane-1,2-dicarboxylic anhydride [1]	201-604-9	85-42-7
Methoxyacetic acid	210-894-6	625-45-6
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
Diisopentylphthalate	210-088-4	605-50-5
N-pentyl-isopentylphthalate	-	776297-69-9
1,2-Diethoxyethane	211-076-1	629-14-1
N,N-dimethylformamide	200-679-5	68-12-2
Dibutyltin dichloride (DBTC)	211-670-0	683-18-1
Acetic acid, lead salt, basic	257-175-3	51404-69-4
Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6
Lead oxide sulfate	234-853-7	12036-76-9
[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9
Dioxobis(stearato)trilead	235-702-8	12578-12-0
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
Lead bis(tetrafluoroborate)	237-486-0	13814-96-5
Lead cyanamidate	244-073-9	20837-86-9
Lead dinitrate	233-245-9	10099-74-8
Lead monoxide (lead oxide)	215-267-0	1317-36-8
Orange lead (lead tetroxide)	215-235-6	1314-41-6
Lead titanium trioxide	235-038-9	12060-00-3

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Lead titanium zirconium oxide	235-727-4	12626-81-2
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
Pentalead tetraoxide sulphate	235-067-7	12065-90-6
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	272-271-5	68784-75-8
Silicic acid, lead salt	234-363-3	11120-22-2
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
Tetraethyllead	201-075-4	78-00-2
Tetralead trioxide sulphate	235-380-9	12202-17-4
Trilead dioxide phosphonate	235-252-2	12141-20-7
Furan	203-727-3	110-00-9
Methyloxirane (Propylene oxide)	200-879-2	75-56-9
Diethyl sulphate	200-589-6	64-67-5
Dimethyl sulphate	201-058-1	77-78-1
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
4,4'-oxydianiline and its salts	202-977-0	101-80-4
4-Aminoazobenzene	200-453-6	60-09-3
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
Biphenyl-4-ylamine	202-177-1	92-67-1
o-aminoazotoluene	202-591-2	97-56-3
o-Toluidine	202-429-0	95-53-4
N-methylacetamide	201-182-6	79-16-3
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride	247-094-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9

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