



長泓膠業股份有限公司

CHANG HORING RUBBER CO., LTD.

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Date: [REDACTED]

Dear Sir,

We would like to thank you for your inquiry regarding the following CHR's product:

[REDACTED]

Based on our current level of knowledge and statement provided by upstream suppliers, the above product(s) of Chang Horing Rubber Co., complies(comply) with substances of concern below reporting threshold contained in the "Substances of Very High Concern for authorization, (SVHC)" at levels < 0.1% weight by weight(w/w), provided for review by your company.

The substances we checked our composition for are as follows:

*15 items SVHC substances was published dated Oct. 28, 2008

- Substance Name / CAS NO (EC NO.)
- Anthracene 120-12-7 (204-371-1)
- 4,4'- Diaminodiphenylmethane 101-77-9 (202-974-4)
- Dibutyl phthalate 84-74-2 (201-557-4)
- Cobalt dichloride 7646-79-9 (231-589-4), also published dated June 20, 2011
- Diarsenic pentaoxide 1303-28-2 (215-116-9)
- Diarsenic trioxide 1327-53-3 (215-481-4)
- Sodium dichromate 7789-12-0, 10588-01-9 (234-190-3)
- 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 81-15-2 (201-329-4)
- Bis (2-ethyl(hexyl)phthalate) (DEHP) 117-81-7 (204-211-0)
- Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) 25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8 (247-148-4, 221-695-9)
- Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 85535-84-8 (287-476-5)
- Bis(tributyltin)oxide 56-35-9 (200-268-0)
- Lead hydrogen arsenate 7784-40-9 (232-064-2)
- Triethyl arsenate 15606-95-8 (427-700-2)
- Benzyl butyl phthalate 85-68-7 (BBP) (201-622-7)

*12 items SVHC substances was published dated 2010/01/13

- Anthracene oil 90640-80-5 (292-602-7)
- Anthracene oil, anthracene paste, distn. Lights 91995-17-4 (295-278-5)
- Anthracene oil, anthracene paste, anthracene fraction 91995-15-2 (295-275-9)
- Anthracene oil, anthracene-low 90640-82-7 (292-604-8)
- Anthracene oil, anthracene paste 90640-81-6 (292-603-2)
- Coal tar pitch, high temperature 65996-93-2 (266-028-2)

- 2,4-Dinitrotoluene 121-14-2 (204-450-0)
- Diisobutyl phthalate 84-69-5 (201-553-2)
- Lead chromate 7758-97-6 (231-846-0)
- (C.I.紅色 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 12656-85-8 (235-759-9)
- (C.I.黃色 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34) 1344-37-2 (215-693-7)
- Tris(2-chloroethyl)phosphate 115-96-8 (204-118-5)

*1 item SVHC substances was published dated 2010/03/30

- Acrylamide 79-06-1 (201-173-7)

*8 items SVHC substances was published dated 2010/06/18

- Trichloroethylene 79-01-6 (201-167-4)
- Boric acid 10043-35-3,11113-50-1 (233-139-2, 234-343-4)
- Disodium tetraborate,anhydrous 1303-96-4, 1330-43-4, 12179-04-3(215-540-4)
- Tetraboron disodium heptaoxide,hydrate 12267-73-1 (235-541-3)
- Sodium chromate 7775-11-3 (231-889-5)
- Potassium chromate 7789-00-6 (232-140-5)
- Ammonium dichromate 7789-09-5 (232-143-1)
- Potassium dichromate 7778-50-9 (231-906-6)

*8 items SVHC substances was published dated 2010/12/15

- 2-Ethoxyethanol 110-80-5 (203-804-1)
- 2-Methoxyethanol 109-86-4 (203-713-7)
- Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid 7738-94-5, 13530-68-2 (231-801-5, 236-881-5)
- Chromium trioxide 1333-82-0 (215-607-8)
- Cobalt(II) carbonate 513-79-1 (208-169-4)
- Cobalt(II) diacetate 71-48-7 (200-755-8)
- Cobalt(II) dinitrate 10141-05-6 (233-402-1)
- Cobalt(II) sulphate 10124-43-3 (233-334-2)

*7 items SVHC substances was published dated 2011/06/20

- 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich 71888-89-6 (276-158-1)
- 1,2,3-Trichloropropane 96-18-4 (202-486-1)
- 1-Methyl-2-pyrrolidone 872-50-4 (212-828-1)
- Hydrazine 302-01-2/ 7803-57-8 (206-114-9)
- 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters 68515-42-4 (271-084-6)
- Strontium chromate 7789-06-2 (232-142-6)
- 2-Ethoxyethyl acetate 111-15-9 (203-839-2)

*20 items SVHC substances was published dated 2011/12/19

- 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 (μm). 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
- Calcium arsenate 7778-44-1 (231-904-5)
- Bis(2-methoxyethyl) ether 111-96-6 (203-924-4)
- 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 (μm) 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
- Potassium hydroxyoctaoxidizincatedichromate 11103-86-9 (234-329-8)
- Lead dipicrate 6477-64-1 (229-335-2)
- N,N-dimethylacetamide 127-19-5 (204-826-4)
- Arsenic acid 7778-39-4 (231-901-9)
- 2-Methoxyaniline; o-Anisidine 90-04-0 (201-963-1)
- Trilead diarsenate 3687-31-8 (222-979-5)
- 1,2-dichloroethane 107-06-2 (203-458-1)
- Pentazinc chromate octahydroxide 49663-84-5 (256-418-0)
- 4-(1,1,3,3-tetramethylbutyl)phenol 140-66-9 (205-426-2)
- Formaldehyde, oligomeric reaction products with aniline 25214-70-4 (500-036-1)
- Bis(2-methoxyethyl) phthalate 117-82-8 (204-212-6)
- Lead diazide, Lead azide 13424-46-9 (236-542-1)
- Lead styphnate 15245-44-0 (239-290-0)
- 2,2'-dichloro-4,4'-methylenedianiline 101-14-4 (202-918-9)
- Phenolphthalein 77-09-8 (201-004-7)
- Dichromium tris(chromate) 24613-89-6 (246-356-2)

*13 items SVHC substances was published dated 2012/06/18

- 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)] 6786-83-0 (229-851-8)
- N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) 101-61-1 (202-959-2)
- 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 (423-400-0)
- Diboron trioxide 1303-86-2 (215-125-8)
- 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 112-49-2 (203-977-3)
- 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 (209-218-2)

•Lead(II) bis(methanesulfonate) 17570-76-2 (401-750-5)

•Formamide 75-12-7 (200-842-0)

•[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 (208-953-6)

•1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 110-71-4 (203-794-9)

•[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 (219-943-6)

•1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 2451-62-9 (219-514-3)

•4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 90-94-8 (202-027-5)

*54 items SVHC substances was published dated 2012/12/19

•Decabromodiphenyl ether; DecaBDE 1163-19-5(214-604-9)

•Pentacosafuorotridecanoic acid 72629-94-8(276-745-2)

•Tricosafuorododecanoic acid 307-55-1(206-203-2)

•Henicosafuoroundecanoic acid 2058-94-8(218-165-4)

•Heptacosafuorotetradecanoic acid 376-06-7(206-803-4)

•Diazene-1,2-dicarboxamide 123-77-3(204-650-8)

•Cyclohexane-1,2-dicarboxylic anhydride 85-42-7,13149-00-3,14166-21-3
(201-604-9,236-086-3,238-009-9)

•Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride,
Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride
25550-51-0,19438-60-9,48122-14-1,
57110-29-9(247-094-1,243-072-0,256-356-4,260-566-1)

•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,
or a combination thereof covering also UVCB-
and well-defined substances which include any of the individual isomers

•4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and
UVCB substances, polymers and homologues

•Methoxy acetic acid 625-45-6(210-894-6)

•N,N-dimethylformamide 68-12-2(200-679-5)

•Dibutyltin dichloride (DBT) 683-18-1(211-670-0)

•Lead monoxide (Lead oxide) 1317-36-8(215-267-0)

•Orange lead (Lead tetroxide) 1314-41-6(215-235-6)

•Lead bis (Tetrafluoroborate) 13814-96-5(237-486-0)

•Trilead bis(carbonate)dihydroxide 1319-46-6(215-290-6)

•Lead titanium trioxide 12060-00-3(235-038-9)

•Lead Titanium Zirconium Oxide 12626-81-2(235-727-4)

•Silicic acid, lead salt 11120-22-2(234-363-3)

- Silicic acid, barium salt, lead-doped 68784-75-8(272-271-5)
- 1-bromopropane (n-propyl bromide) 106-94-5(203-445-0)
- Methyloxirane (propylene oxide) 75-56-9(200-879-2)
- 1,2-Benzenedicarboxylic acid,dipentylester, branched and linear 84777-06-0(284-032-2)
- Diisopentylphthalate (DIPP) 605-50-5(210-088-4)
- N-pentyl-isopentylphthalate 776297-69-9
- 1,2-Diethoxyethane 629-14-1(211-076-1)
- Acetic acid, lead salt, basic 51404-69-4(257-175-3)
- Lead oxide sulfate 12036-76-9(234-853-7)
- [Phthalato(2-)]dioxotrilead 69011-06-9(273-688-5)
- Dioxobis(stearato)trilead 12578-12-0(235-702-8)
- Fatty acids, C16-18, lead salts 91031-62-8(292-966-7)
- Lead cyanamate 20837-86-9(244-073-9)
- Lead dinitrate 10099-74-8(233-245-9)
- Pentalead tetraoxide sulphate 12065-90-6(235-067-7)
- Pyrochlore, antimony lead yellow 8012-00-8(232-3821)
- Sulfurous acid, lead salt, dibasic 62229-08-7(263-467-1)
- Tetraethyllead 78-00-2(201-075-4)
- Tetralead trioxide sulphate 12202-17-4(235-380-9)
- Trilead dioxide phosphonate 12141-20-7(235-252-2)
- Furan 110-00-9(203-727-3)
- Diethyl sulphate 64-67-5(200-589-6)
- Dimethyl sulphate 77-78-1(201-058-1)
- 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 143860-04-2(421-150-7)
- Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7(201-861-7)
- 4,4'-methylenedi-o-toluidine 838-88-0(212-658-8)
- 4,4'-oxydianiline and its salts 101-80-4(202-977-0)
- 4-Aminoazobenzene 60-09-3(200-453-6)
- 4-methyl-m-phenylenediamine 95-80-7(202-453-1)
- 6-methoxy-m-toluidine (p-cresidine) 120-71-8(204-419-1)
- Biphenyl-4-ylamine 92-67-1(202-177-1)
- o-aminoazotoluene[o-aminoazotoluene[(4-o-tolylazo-o-toluidine)]] 97-56-3(202-591-2)
- o-Toluidine 95-53-4(202-429-0)
- N-methylacetamide 79-16-3(201-182-6)

*6 items SVHC substances was published dated 2013/06/20

- Cadmium 7440-43-9 (231-152-8)
- Cadmium oxide 1306-19-0 (215-146-2)
- Ammonium pentadecafluorooctanoate (APFO) 3825-26-1 (223-320-4)
- Pentadecafluorooctanoic acid (PFOA) 335-67-1 (206-397-9)
- Dipentyl phthalate (DPP) 131-18-0 (205-017-9)
- 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

- 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 71868-10-5 (400-600-6)
- Diisohexyl phthalate 71850-09-4 (276-090-2)
- Perfluorobutane sulfonic acid (PFBS) and its salts

*4 items SVHC substances was published dated 2020/06/25

- 1-vinylimidazole 1072-63-5 (214-012-0)
- 2-methylimidazole 693-98-1 (211-765-7)
- butyl 4-hydroxybenzoate 94-26-8 (202-318-7)
- Dibutylbis(pentane-2,4-dionato-O,O')tin 22673-19-4 (245-152-0)

*2 items SVHC substances was published dated 2021/01/19

- Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety
- Bis(2-(2-methoxyethoxy)ethyl)ether 143-24-8 (205-594-7)

*8 items SVHC substances was published dated 2021/07/8

- 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers
- Orthoboric acid, sodium salt 13840-56-7 (237-560-2)
- 2,2-bis(bromomethyl)propane 1,3-diol (BMP) 3296-90-0 (221-967-7)
2,2-dimethylpropan-1-ol, tribromo derivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 36483-57-5/1522-92-5 (253-057-0)
2,3-dibromo-1-propanol (2,3-DBPA) 96-13-9 (202-480-9)
- Glutaral 111-30-8(203-856-5)
- Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to chloroalkanes with carbon chain lengths within the range from C14 to C17]
- Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
- 1,4-dioxane 123-91-1 (204-661-8)
- 4,4'-(1-methylpropylidene) bisphenol; (bisphenol B) 77-40-7 (201-025-1)

*4 items SVHC substances was published dated 2022/01/17

- tris(2-methoxyethoxy)vinylsilane 1067-53-4(213-934-0)
- S-(tricyclo(5.2.1.0^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl
- 6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol 119-47-1(204-327-1)
- (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the in

*1 items SVHC substances was published dated 2022/06/10

- N-(hydroxymethyl)acrylamide 924-42-5(213-103-2)

We are unaware whether downstream factories are following SVHC restriction during the process of manufacturing and packaging. Thus, our company can't promise any responsibility.

Chang Horing Rubber Co., does not analyze specifically for the presence of these substances. Therefore, if you have any question , we suggest that you can send to third party to confirm.

The ECHA website "Proposed Candidate List of 224 Substances of Very High Concern for authorisation", was published dated June 10, 2022.

This statement only contains the list of SVHC for REACH.
For REACH Annex 17, it is not included in above statement.

I hope you find the above helpful. Please do not hesitate to contact us if you have further inquiry.

Best Regards,

核准 [REDACTED]

審核: [REDACTED]

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