



September 2021

REACH and Samsung Electronics' Products

Regulation No 1907/2006 on the *Registration, Evaluation, Authorisation and Restriction of Chemicals* (REACH)¹ entered into force on 1st June 2007. Under REACH, companies operating in the EU face certain obligations as manufacturers, importers and/or downstream users. One of the key requirements is the *Duty to Communicate Information on Substances in Articles* (Article 33).

Article 33: Information for Recipients & Customers

Article 33 of REACH requires suppliers to inform recipients and respond to consumer enquiries if an article contains more than 0.1% (by weight per article) of any substance on the Substances of Very High Concern candidate list² published by the European Chemicals Agency (ECHA).

Samsung Electronics Co. Ltd provides Article 33 information as follows. In addition, all consumers can use the contacts below to submit queries relating to the REACH obligations in Samsung Electronics' products.

environment@samsung.com

¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considered as candidates for inclusion in Annex XIV of REACH. The latest revision to the candidate list was published by the European Chemicals Agency on 8th July 2021 at: <https://echa.europa.eu/candidate-list-table>

The majority of products and packaging as manufactured and/or supplied by Samsung Electronics Co. Ltd do not contain substances on the REACH SVHC candidate list in concentrations greater than 0.1% by weight per article³. The limited numbers of articles in Samsung products affected are listed below. This is the status as of September 2021.

Substance	CE No.	CAS No.	Individual articles which may contain the substance above 0.1% by weight.	Application
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Ink	Component
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastic and ceramics.	PVA crosslinking agent, impurity
2-ethoxyethyl acetate	203-839-2	111-15-9	Ink.	Solvent, component
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT and epoxy.	TFT stripping process, impurity, solvent
N,N-dimethylacetamide	204-826-4	127-19-5	Whole product.	Impurity
Formamide	200-842-0	75-12-7	Resin.	Impurity, Additive
Diboron trioxide	215-125-8	1303-86-2	Resistors.	Component of glass, ceramic and metal alloy
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Resin and ink.	Curing agent, component of ink, component
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Whole products.	Solvent, component
Tetralead trioxide sulphate	235-380-9	12202-17-4	Ceramic.	Component
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Resin.	Component
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Ceramic.	Component

³ Reference: ECHA Guidance on requirements for substances in Articles.

Substance	CE No.	CAS No.	Individual articles which may contain the substance above 0.1% by weight.	Application
N,N-dimethylformamide	200-679-5	68-12-2	Plastic and epoxy.	Thermoplastic, additive
Lead titanium zirconium oxide	235-727-4	12626-81-2	Ceramic.	Main component
Lead titanium trioxide	235-038-9	12060-00-3	Ceramic and glass.	Component
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Ceramic and glass.	Component, additive
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxy and metal.	Component, polymerization
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastic and epoxy.	Blowing agent(Cushion), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Light emitting diode.	Component
Cadmium oxide	215-146-2	1306-19-0	Ceramic, Glass and metal alloy.	Component
Cadmium	231-152-8	7440-43-9	Copper alloy.	Additive or impurity of copper alloys
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]	-	-	Adhesive.	Component
Trixylyl phosphate	246-677-8	25155-23-1	Resins.	Flame retardant, component
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Resin and rubber.	Component
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastic.	Preventing UV, polarizer, crosslinking agent, component
1,3-propanesultone	214-317-9	1120-71-4	Battery.	Battery electrolyte

Substance	CE No.	CAS No.	Individual articles which may contain the substance above 0.1% by weight.	Application
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastic.	Impurity, byproduct, component
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Whole product.	Polymerization
Cadmium carbonate	208-168-9	513-78-0	Expanded Polystyrene.	Plasticizer
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Resin.	Component
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Ceramic and epoxy.	Component of ceramic, polymerization reaction
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastic and silicon.	Additive, impurity, component
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastic and silicon.	Additive, impurity, component
Ethylenediamine (EDA)	203-468-6	107-15-3	Metal alloy.	Plating, stabilizer, component
Lead	231-100-4	7439-92-1	Metal alloy, ceramic, glass and solder.	Component, impurity
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastic and silicon.	Additive, impurity, component
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Ink and paint.	Component, impurity
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Resin.	Cable, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxy resin and ink.	Photo initiator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxy resin and ink.	Photo initiator, hardener, crosslinking agent, component
Perfluorobutane sulfonic acid (PFBS)	-	-	Rubber.	Component

Substance	CE No.	CAS No.	Individual articles which may contain the substance above 0.1% by weight.	Application
and its salts				
1-vinylimidazole	214-012-0	1072-63-5	Plastics.	Plasticizer
2-methylimidazole	211-765-7	693-98-1	Epoxy resin.	Molding compounds
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Resin.	Plasticizer, additive, impurity
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Resin and ink.	Component, impurity
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Resin.	Plasticizer
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Resin.	Plasticizer
1,4-dioxane	204-661-8	123-91-1	Whole product.	Solvent
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Whole product.	Plasticizer, impurity



септември 2021 година

Продукти REACH и Samsung Electronics

Регламент № 1907/2006 относно регистрацията, оценката, разрешаването и ограничаването на химикали (REACH)¹ влезе в сила на 1 юни 2007 г. Според REACH, дружествата, действащи в ЕС, са изправени пред определени задължения като производители, вносители и / или потребители надолу по веригата . Един от ключовите изисквания е задължението за предаване на информация за веществата в членове (член 33).

Член 33: Информация за получателите и клиентите

Член 33 от REACH изисква доставчиците да информират получателите и да отговарят на потребителски запитвания, ако дадена статия съдържа повече от 0,1% (по тегло на член) от всяко вещество върху веществата, които са в много висок списък², публикуван от Европейската агенция по химикали (ECHA).

Samsung Electronics Ко ООД предвижда член 33, както следва. Освен това, всички потребители могат да използват контактите по-долу, за да представят въпроси, свързани с REACH задълженията в продуктите на Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Считани за кандидати за включване в приложение XIV на REACH. Най-новата ревизия на списъка на кандидатите е публикувана от Европейската агенция по химикали на 8 юли 2021 г. на адрес: <https://echa.europa.eu/candidate-list-table>

По-голямата част от продуктите и опаковките, произведени и / или предоставени от Samsung Electronics Ко ООД, не съдържат вещества на списъка на кандидатите REACH SVHC в концентрации, по-големи от 0.1% от теглото на статия³. Ограниченият брой артикули в засегнатите от Samsung продукти са изброени по-долу. Това е статутът към септември 2021 година.

Субстанция	CE No.	CAS No.	Отделни изделия, които могат да съдържат веществото над 0.1% тегловни.	Приложение
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Мастило	Компонент
Boric acid, Boric acid crude natual	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Пластмаса и керамика	PVA омрежващ агент, примес
2-ethoxyethyl acetate	203-839-2	111-15-9	Мастило	Разтворител, компонент
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT и епоксидни	TFT процес на отстраняване, примес, разтворител
N,N-dimethylacetamide	204-826-4	127-19-5	Цели продукти	Нечистота
Formamide	200-842-0	75-12-7	Смола	Примеси, добавка
Diboron trioxide	215-125-8	1303-86-2	Резистори	Компонент на стъкло, керамична и метална сплав
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Смола и мастило	Втвърдяващ агент, компонент на мастилото, компонент
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Цели продукти	Разтворител, компонент
Tetralead trioxide sulphate	235-380-9	12202-17-4	Керамика	Компонент
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Смола	Компонент

³ Справка: ЕСНА Ръководство за изискванията за вещества в изделия.

Субстанция	CE No.	CAS No.	Отделни изделия, които могат да съдържат веществото над 0.1% тегловни.	Приложение
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Керамика	Компонент
N,N-dimethylformamide	200-679-5	68-12-2	Пластмаса и епоксидна	Термопластична, добавка
Lead titanium zirconium oxide	235-727-4	12626-81-2	Керамика	Основен компонент
Lead titanium trioxide	235-038-9	12060-00-3	Керамика и стъкло	Компонент
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Керамика и стъкло	Компонент, добавка
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Епоксидни и метални	Компонент, полимеризация
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Пластмаса и епоксидна	Разпенващ агент (възглавница), компонент
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Светодиод	Компонент
Cadmium oxide	215-146-2	1306-19-0	Керамика, стъкло и метална сплав	Компонент
Cadmium	231-152-8	7440-43-9	Медна сплав	Добавка или примес на медни сплави
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]	-	-	Лепило	Компонент
Trixylyl phosphate	246-677-8	25155-23-1	Смоли	Забавител на пламъка, компонент
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Смола и гума	Компонент

Субстанция	CE No.	CAS No.	Отделни изделия, които могат да съдържат веществото над 0.1% тегловни.	Приложение
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Пластмаса	Предотвратяване на UV, поляризатор, омрежващ агент, компонент
1,3-propanesultone	214-317-9	1120-71-4	Батерия	Електролит на батерията
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Пластмаса	Примес, страничен продукт, компонент
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Цели продукти	Полимеризация
Cadmium carbonate	208-168-9	513-78-0	Разширен полистирол	Пластификатор
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Смола	Компонент
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Керамични и епоксидни	Компонент на керамична, полимеризационна реакция
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Пластмаса и силиций	Добавка, примес, компонент
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Пластмаса и силиций	Добавка, примес, компонент
Ethylenediamine (EDA)	203-468-6	107-15-3	Метална сплав	Плащане, стабилизатор, компонент
Lead	231-100-4	7439-92-1	Метална сплав, керамика, стъкло и спойка	Компонент, примес
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Пластмаса и силиций	Добавка, примес, компонент
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Масило и боя	Компонент, примес
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq	-	-	Смола	Кабел, сензор

Субстанция	CE No.	CAS No.	Отделни изделия, които могат да съдържат веществото над 0.1% тегловни.	Приложение
0.1% w/w of 4-nonylphenol, branched and linear (4-NP)				
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Епоксидна смола и мастило	Инициатор за снимки
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Епоксидна смола и мастило	Инициатор за снимки, втвърдител, омрежаващ агент, компонент
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Каучук	Компонент
1-vinylimidazole	214-012-0	1072-63-5	Пластмаси	Пластификатор
2-methylimidazole	211-765-7	693-98-1	Епоксидна смола	Формовъчни съединения
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Смола	Пластификатор, добавка, примес
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Смола и мастило	Компонент, примес
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Смола	Пластификатор
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Смола	Пластификатор
1,4-dioxane	204-661-8	123-91-1	Цели продукти	Разтворител
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Цели продукти	Пластификатор, примес



2021. rujna

REACH i Samsung Electronics proizvodi

Uredba br 1907/2006 o registraciji, evaluaciji, autorizaciji i ograničenju kemikalija (REACH)¹ stupili su na snagu 1. lipnja 2007. godine. Prema REACH, tvrtke koje djeluju u EU se suočavaju s određenim obvezama kao proizvođači, uvoznici i / ili nizvodni korisnici. Jedan od ključnih zahtjeva je dužnost priopćavanja informacija o tvarima u člancima (članak 33.).

Članak 33.: Informacije za primatelje i kupce

Članak 33. REACH zahtijeva od dobavljača da informiraju primatelje i odgovori na upite potrošača ako članak sadrži više od 0,1% (po težini po članku) bilo koje tvari na tvarima vrlo visoke zabrinutosti popis kandidata² koje je objavila Europska agencija za kemikalije (ECHA).

Samsung Electronics Co Ltd pruža članak 33. informacije kako slijedi. Osim toga, svi potrošači mogu koristiti kontakte u nastavku kako bi podnijeli upite koji se odnose na REACH obveze u proizvodima Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Smatra se kandidatima za uključivanje u Prilogu XIV REACH. Najnovija revizija popisa kandidata objavila je Europska agencija za kemikalije 8. srpnja 2021. na: <https://echa.europa.eu/candidate-list-table>

Većina proizvoda i pakiranja kao što je proizveden i / ili isporučen od strane Samsung Electronics Co Ltd ne sadrži tvari na REACH SVHC kandidat kandidata u koncentracijama većim od 0,1% po težini po članku³. Ograničeni broj članaka u pogođenim proizvodima Samsung su navedeni u nastavku. To je status 2021. rujna.

Supstanca	CE No.	CAS No.	Pojedini članci koji mogu sadržavati tvar iznad 0,1 mas. %.	Primjena
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinta	Komponenta
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastika i keramika	PVA umrežavanje agens, nečistoća
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinta	Otapalo, komponenta
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT i epoksid	TFT proces skidanja, nečistoća, otapalo
N,N-dimethylacetamide	204-826-4	127-19-5	Cijeli proizvodi	Nečistoća
Formamide	200-842-0	75-12-7	Smola	Nečistoća, aditiv
Diboron trioxide	215-125-8	1303-86-2	Otpornici	Komponenta stakla, keramičke i metalne legure
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Smola	Sredstvo za stvrđnjavanje, komponenta tinte, komponente
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Cijeli proizvodi	Otapalo, komponenta
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramički	Komponenta
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Smola	Komponenta
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramički	Komponenta

³ Referenca: ECHA smjernice o zahtjevima za tvari u člancima.

Supstanca	CE No.	CAS No.	Pojedini članci koji mogu sadržavati tvar iznad 0,1 mas.%,	Primjena
N,N-dimethylformamide	200-679-5	68-12-2	Plastika i epoksid	Termoplastični, aditivni
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramički	Glavna komponenta
Lead titanium trioxide	235-038-9	12060-00-3	Keramika i stakla	Komponenta
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramika i stakla	Komponenta, aditiva
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksi i metal	Komponenta, polimerizacija
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastika i epoksid	Sredstvo za puhanje (jastuk), komponenta
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Dioda koja emitira svjetlo	Komponenta
Cadmium oxide	215-146-2	1306-19-0	Keramička, stakla i metalna legura	Komponenta
Cadmium	231-152-8	7440-43-9	Slitina bakra	Aditiv ili nečistoća legura bakra
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]	-	-	Ljepljiv	Komponenta
Trixylyl phosphate	246-677-8	25155-23-1	Smole	Usporivač plamena, komponenta
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Smola i guma	Komponenta
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastika	Sprečavanje UV, polarizatora, sredstva za umrežavanje, komponenta

Supstanca	CE No.	CAS No.	Pojedini članci koji mogu sadržavati tvar iznad 0,1 mas. %.	Primjena
1,3-propanesultone	214-317-9	1120-71-4	Baterija	Elektrolit baterije
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastika	Nečistoća, nusprodukt, komponenta
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Cijeli proizvodi	Polimerizacija
Cadmium carbonate	208-168-9	513-78-0	Ekspandirani polistiren	Plastifikator
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Smola	Komponenta
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramika i epoksid	Komponenta keramičke, reakcije polimerizacije
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastika i silicij	Aditiv, nečistoća, komponenta
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastika i silicij	Aditiv, nečistoća, komponenta
Ethylenediamine (EDA)	203-468-6	107-15-3	Metalna legura	Za obradu, stabilizator, komponenta
Lead	231-100-4	7439-92-1	Metalna legura, keramika, stakla i lemljenja	Komponenta, nečistoća
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastika i silicij	Aditiv, nečistoća, komponenta
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tinta i boja	Komponenta, nečistoća
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Smola	Kabel, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksidna smola i tinta	Inicijator fotografija
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksidna smola i tinta	Inicijator fotografija, učvršćivač, sredstvo za umrežavanje,

Supstanca	CE No.	CAS No.	Pojedini članci koji mogu sadržavati tvar iznad 0,1 mas.%,	Primjena
				komponenta
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Guma	Komponenta
1-vinylimidazole	214-012-0	1072-63-5	Plastika	Plastifikator
2-methylimidazole	211-765-7	693-98-1	Epoksidna smola	Spojevi za oblikovanje
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Smola	Plastifikator, aditiv, nečistoća
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Smola i Tinta	Komponenta, nečistoća
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Smola	Plastifikator
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Smola	Plastifikator
1,4-dioxane	204-661-8	123-91-1	Cijeli proizvodi	Otapalo
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Cijeli proizvodi	Plastifikator, nečistoća



Září 2021.

REACH a SAMSUNG ELECTRONICS PRODUKTY

Nařízení č. 1907/2006 o registraci, hodnocení, povolování a omezení chemických látek (REACH)¹ vstoupilo v platnost dne 1. června 2007. Podle REACH, které působících v EU působí na určité povinnosti jako výrobci, dovozci a / nebo po proudu uživatelé. Jedním z klíčových požadavků je povinnost sdělovat informace o látkách v člancích (článek 33).

Článek 33: Informace pro příjemce a zákazníky

Článek 33 REACH vyžaduje, aby dodavatelé informovali příjemce a reagovali na dotazy spotřebitelů, pokud článek obsahuje více než 0,1% (podle hmotnosti podle článku) jakékoli látky na látky velmi vysoké obavy kandidátské listiny² zveřejněné Evropskou agenturou pro chemické látky (ECHA).

Samsung Electronics Co. Ltd poskytuje článek 33 informace následovně. Kromě toho mohou všichni spotřebitelé použít níže uvedené kontakty, aby předložili dotazy týkající se povinností REACH v produktech Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Považovány za kandidáty na začlenění do přílohy XIV REACH. Poslední revize seznamu kandidáta vydala Evropská agentura pro chemické látky dne 8. července 2021 na adrese: <https://echa.europa.eu/candidate-list-table>

Většina výrobků a balení, jak je vyrobeno a / nebo dodávané společností Samsung Electronics Co. Ltd neobsahují látky na REACH SVHC candidates Seznam v koncentracích vyšších než 0,1% hmotnostních podle článku³. Omezená čísla článků v postižených produktech Samsung jsou uvedeny níže. Toto je stav 2021 září.

Látka	CE č.	CAS č.	Jednotlivé výrobky, které mohou obsahovat látku nad 0,1% hmotnostním.	Aplikace
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Inkoust	Komponent
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastová a keramika	PVA zesíťovací agent, nečistota
2-ethoxyethyl acetate	203-839-2	111-15-9	Inkoust	Rozpouštědlo, složka
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT a epoxy.	Proces odizolování TFT, nečistota, rozpouštědlo
N,N-dimethylacetamide	204-826-4	127-19-5	Celé produkty	Nečistota
Formamide	200-842-0	75-12-7	Pryskyřice	Nečistota, přísada
Diboron trioxide	215-125-8	1303-86-2	Odpory	Složka skla, keramické a kovové slitiny
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Pryskyřice a inkoust	Vytvrzovací činidlo, složka inkoustu, komponenty
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Celé produkty	Rozpouštědlo, složka
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramický	Komponent
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Pryskyřice	Komponent

³ Odkaz: ECHA Pokyny k požadavkům na látky v člancích.

Látka	CE č.	CAS č.	Jednotlivé výrobky, které mohou obsahovat látku nad 0,1% hmotnostním.	Aplikace
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramický	Komponent
N,N-dimethylformamide	200-679-5	68-12-2	Plast a epoxy	Termoplastická, přísada
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramický	Hlavní složka
Lead titanium trioxide	235-038-9	12060-00-3	Keramické a sklo	Komponent
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramické a sklo	Komponenta, přísada
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxid a kov	Komponenta, polymerace
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plast a epoxy	Přeměňovací činidlo (polštář), složka
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Světlo vyzařující diode	Komponent
Cadmium oxide	215-146-2	1306-19-0	Keramická, skleněná a kovová slitina	Komponent
Cadmium	231-152-8	7440-43-9	Slitina mědi	Aditive nebo nečistota slitin mědi
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]	-	-	Lepidlo	Komponent
Trixylyl phosphate	246-677-8	25155-23-1	Pryskyřice	Plamene retardant, komponenta
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Pryskyřice a gummy	Komponent
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastický	Prevence UV, polarizátoru, zesilovacího činidla,

Látka	CE č.	CAS č.	Jednotlivé výrobky, které mohou obsahovat látku nad 0,1% hmotnostním.	Aplikace
				složky
1,3-propanesultone	214-317-9	1120-71-4	Baterie	Elektrolyt baterie
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastický	Nečistota, vedlejší produkt, složka
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Celé produkty	Polymerizace
Cadmium carbonate	208-168-9	513-78-0	Rozšířený polystyren	Změkčovadlo
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Pryskyřice	Komponent
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramický a epoxid	Složka keramické, polymerační reakce
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastový a křemík	Aditive, nečistota, složka
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastový a křemík	Aditive, nečistota, složka
Ethylenediamine (EDA)	203-468-6	107-15-3	Kovová slitina	Pokovování, stabilizátor, složka
Lead	231-100-4	7439-92-1	Kovová slitina, keramika, sklo a pájka	Komponenta, nečistota
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastový a křemík	Aditive, nečistota, složka
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Inkoust a malování	Komponenta, nečistota
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Pryskyřice	Kabel, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxidová pryskyřice a inkoust	Foto iniciátor

Látka	CE č.	CAS č.	Jednotlivé výrobky, které mohou obsahovat látku nad 0,1% hmotnostním.	Aplikace
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxidová pryskyřice a inkoust	Foto iniciátor, tužidlo, zesíťovací agent, komponenta
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Pryž	Komponent
1-vinylimidazole	214-012-0	1072-63-5	Plastika	Změkčovaadlo
2-methylimidazole	211-765-7	693-98-1	Epoxidová pryskyřice	Lisování sloučenin
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Pryskyřice	Změkčovaadlo, přísada, nečistota
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Pryskyřice a inkoust	Komponenta, nečistota
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Pryskyřice	Změkčovaadlo
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Pryskyřice	Změkčovaadlo
1,4-dioxane	204-661-8	123-91-1	Celé produkty	Solventní
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Celé produkty	Změkčovaadlo, nečistota



september 2021

REACH og Samsung Electronics produkter

Forordning nr. 1907/2006 om registrering, evaluering, godkendelse og begrænsning af kemikalier (REACH)¹ trådte i kraft den 1. juni 2007. Ifølge REACH står virksomheder, der opererer i EU, for visse forpligtelser som producenter, importører og / eller downstream-brugere. Et af hovedkravene er pligt til at kommunikere oplysninger om stoffer i artikler (artikel 33).

Artikel 33: Oplysninger til modtagere og kunder

Artikel 33 i REACH kræver, at leverandørerne informerer modtagere og reagerer på forbrugernes henvendelser, hvis en artikel indeholder mere end 0,1% pr. Artikel af ethvert stof på stofferne i meget høje bekymringskandidatliste², der offentliggøres af Det Europæiske Kemikalieagentur (ECHA).

Samsung Electronics Co. Ltd indeholder artikel 33 oplysninger som følger. Derudover kan alle forbrugere bruge nedenstående kontakter til at indsende forespørgsler vedrørende REACH forpligtelserne i Samsung Electronics' produkter.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Betragtes som kandidater til optagelse i bilag XIV i REACH. Den seneste revision af kandidatlisten blev offentliggjort af Det Europæiske Kemikalieagentur den 8. juli 2021 på: <https://echa.europa.eu/candidate-list-table>

Størstedelen af produkter og emballage som fremstillet og / eller leveret af Samsung Electronics Co. Ltd indeholder ikke stoffer på REACH SVHC kandidatlisten i koncentrationer større end 0,1 vægtprocent pr. Artikel³. Det begrænsede antal artikler i Samsung-produkter, der er berørt, er angivet nedenfor. Dette er status fra september 2021.

Stof	CE nr.	CAS nr.	Individuelle artikler, der kan indeholde stoffet over 0,1 vægtprocent.	Ansøgning
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Blæk	Komponent
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastik og keramik	PVA tværbindingssagent, urenhed
2-ethoxyethyl acetate	203-839-2	111-15-9	Blæk	Opløsningsmiddel, component
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT og epoxy	TFT stripping proces, urenhed, opløsningsmiddel
N,N-dimethylacetamide	204-826-4	127-19-5	Hele produkter	Urenhed
Formamide	200-842-0	75-12-7	Harpiks	Urenhed, tilsætningsstof
Diboron trioxide	215-125-8	1303-86-2	Modstande	Komponent af glas, keramisk og metallegering
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Harpiks og blæk	Hærdningsmiddel, komponent af blæk, component
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Hele produkter	Opløsningsmiddel, komponent.
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramisk	Komponent
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Harpiks	Komponent
Orange lead	215-235-6	1314-41-3	Keramisk	Komponent

³ Reference: ECHA vejledning om krav til stoffer i artikler.

Stof	CE nr.	CAS nr.	Individuelle artikler, der kan indeholde stoffet over 0,1 vægtprocent.	Ansøgning
(Lead tetroxide)				
N,N-dimethylformamide	200-679-5	68-12-2	Plast og epoxy	Termoplastisk, additive
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramisk	Hovedkomponent
Lead titanium trioxide	235-038-9	12060-00-3	Keramisk og glas	Komponent
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramisk og glas	Komponent, tilsætningsstof
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxy og metal	Komponent, polymerisering
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plast og epoxy	Blæseremiddel (pude), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Lysdiode	Komponent
Cadmium oxide	215-146-2	1306-19-0	Keramisk, glas og metallegering	Komponent
Cadmium	231-152-8	7440-43-9	Kobberlegering	Tilsætningsstof eller urenhed af kobberlegeringer
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]	-	-	Klæbemiddel	Komponent
Trixylyl phosphate	246-677-8	25155-23-1	Harpikser	Flammehæmmende, component
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Harpiks og gummi	Komponent
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plast	Forebyggelse af UV, polarisator, tværbindingmiddel,

Stof	CE nr.	CAS nr.	Individuelle artikler, der kan indeholde stoffet over 0,1 vægtprocent.	Ansøgning
				component
1,3-propanesultone	214-317-9	1120-71-4	Batteri	Batteri Elektrolyt
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plast	Urenhed, biprodukt, komponent
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Hele produkter	Polymerisering
Cadmium carbonate	208-168-9	513-78-0	Udvidet polystyren	Blødgører
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Harpiks	Komponent
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramisk og epoxy	Komponent af keramik, polymeriseringsreaktion
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plast og silicium	Tilsætningsstof, urenhed, component
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plast og silicium	Tilsætningsstof, urenhed, component
Ethylenediamine (EDA)	203-468-6	107-15-3	Metal legering	Plating, stabilisator, component
Lead	231-100-4	7439-92-1	Metallegering, keramik, glas og loddemetal	Komponent, urenhed
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plast og silicium	Tilsætningsstof, urenhed, component
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Blæk og paint	Komponent, urenhed
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Harpiks	Kabel, Sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxy harpiks og blæk	Foto Initiator

Stof	CE nr.	CAS nr.	Individuelle artikler, der kan indeholde stoffet over 0,1 vægtprocent.	Ansøgning
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxy harpiks og blæk	Foto Initiator, Harder, Tværbindingsagent, Komponent
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Gummi	Komponent
1-vinylimidazole	214-012-0	1072-63-5	Plastik	Blødgører
2-methylimidazole	211-765-7	693-98-1	Epoxyharpiks	Støbeforbindelser
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Harpiks	Blødgøringsmiddel, additiv, urenhed
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Harpiks og blæk	Komponent, urenhed
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Harpiks	Blødgører
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Harpiks	Blødgører
1,4-dioxane	204-661-8	123-91-1	Hele produkter	Opløsningsmiddel
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Hele produkter	Blødgøringsmiddel, urenhed



september 2021

REACH en producten van Samsung Electronics

Verordening nr. 1907/2006 betreffende de registratie, evaluatie, machtiging en beperking van chemicaliën (REACH)¹ zijn ingetreden op 1 juni 2007. Volgens REACH staan bedrijven die in de EU actief zijn, bepaalde verplichtingen als fabrikanten, importeurs en / of downstream-gebruikers. Een van de belangrijkste vereisten is de plicht om informatie over stoffen in artikelen (artikel 33) te communiceren.

Artikel 33: Informatie voor ontvangers en klanten

Artikel 33 van REACH vereist leveranciers om ontvangers te informeren en te reageren op consumentenvraag Als een artikel meer dan 0,1% (op gewichtsbasis per artikel) van elke substantie op de stoffen van zeer hoge betreffende kandidatenlijst² bevat die door het Europees Agentschap Chemicals (ECHA) is gepubliceerd.

Samsung Electronics Co. Ltd biedt artikel 33 informatie als volgt. Bovendien kunnen alle consumenten de onderstaande contacten gebruiken om query's in te dienen met betrekking tot de REACH-verplichtingen in de producten van Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Beschouwd als kandidaten voor opname in bijlage XIV van REACH. De nieuwste revisie van de kandidatenlijst is gepubliceerd door het Europees Agentschap voor chemische stoffen op 8 juli 2021 op: <https://echa.europa.eu/candidate-list-table>

De meeste producten en verpakkingen zoals vervaardigd en / of geleverd door Samsung Electronics Co. Ltd bevat geen stoffen op de REACH SVHC-kandidatenlijst in concentraties van meer dan 0,1 gew.% Per artikel³. De beperkte aantallen artikelen in de getroffen van Samsung worden hieronder vermeld. Dit is de status vanaf september 2021.

Substantie	CE No.	CAS No.	Individuele artikelen die de substantie boven 0,1 gew.% Kunnen bevatten.	Toepassing
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Inkt	Component
Boric acid, Boric acid crude natual	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Kunststof en keramiek	PVA crosslinking agent, onzuiverheid
2-ethoxyethyl acetate	203-839-2	111-15-9	Inkt	Oplosmiddel, component
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT en epoxy	TFT stripproces, onzuiverheid, oplosmiddel
N,N-dimethylacetamide	204-826-4	127-19-5	Hele producten	Onzuiverheid
Formamide	200-842-0	75-12-7	Hars	Onzuiverheid, additief
Diboron trioxide	215-125-8	1303-86-2	Weerstanden	Component van glas, keramische en metaallegering
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Hars en inkt	Uithardingsmiddel, component van inkt, component
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Hele producten	Oplosmiddel, component
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramisch	Component
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Hars	Component
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramisch	Component

³ Referentie: ECHA-richtsnoeren over vereisten voor stoffen in artikelen.

Substantie	CE No.	CAS No.	Individuele artikelen die de substantie boven 0,1 gew.% Kunnen bevatten.	Toepassing
N,N-dimethylformamide	200-679-5	68-12-2	Plastic en epoxy	Thermoplastisch, additief
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramisch	Belangrijkste onderdeel
Lead titanium trioxide	235-038-9	12060-00-3	Keramiek en glas	Component
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramiek en glas	Component, additief
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxy en metaal	Component, polymerisatie
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastic en epoxy.	Blaasmiddel (kussen), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Lichtgevende diode	Component
Cadmium oxide	215-146-2	1306-19-0	Keramische, glas en metalen legering	Component
Cadmium	231-152-8	7440-43-9	Koper legering	Additief of onzuiverheid van koperlegeringen
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]	-	-	Zelfklevend	Component
Trixylyl phosphate	246-677-8	25155-23-1	Hars	Vlamvertragend, component
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Hars en rubber	Component
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastic	Voorkomen van UV, polarisator, verknopingsmiddel, component

Substantie	CE No.	CAS No.	Individuele artikelen die de substantie boven 0,1 gew.% Kunnen bevatten.	Toepassing
1,3-propanesultone	214-317-9	1120-71-4	Accu	Batterij elektrolyt
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastic	Onzuiverheid, bijproduct, component
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Hele producten	Polymerisatie
Cadmium carbonate	208-168-9	513-78-0	Uitgebreid polystyreen	Weekmaker
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Hars	Component
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramiek en epoxy	Component van keramische, polymerisatiereactie
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastic en silicium	Additief, onzuiverheid, component
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastic en silicium	Additief, onzuiverheid, component
Ethylenediamine (EDA)	203-468-6	107-15-3	Metalen legering	Plating, stabilisator, component
Lead	231-100-4	7439-92-1	Metalen legering, keramiek, glas en soldeer	Component, onzuiverheid
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastic en silicium	Additief, onzuiverheid, component
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Inkt en verf	Component, onzuiverheid
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Hars	Kabel, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxyhars en inkt	Fotoinitiator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxyhars en inkt	Foto-initiator, verharder, verknopingsmiddel,

Substantie	CE No.	CAS No.	Individuele artikelen die de substantie boven 0,1 gew.% Kunnen bevatten.	Toepassing
				component
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Rubber	Component
1-vinylimidazole	214-012-0	1072-63-5	Kunststoffen	Weekmaker
2-methylimidazole	211-765-7	693-98-1	Epoxyhars	Vormverbindingen
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Hars	Weekmaker, additief, onzuiverheid
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Hars en inkt.	Component, onzuiverheid
2,2-bis(bromomethyl)propane-1,3- diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2- bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Hars	Weekmaker
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Hars	Weekmaker
1,4-dioxane	204-661-8	123-91-1	Hele producten	Oplosmiddel
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Hele producten	Weekmaker, onzuiverheid



septembril 2021

REACH ja Samsung Electronics tooted

Määrus nr 1907/2006 kemikaalide registreerimise, hindamise, loa andmise, loa andmise, hindamise, loa andmise, hindamise, loa andmise, hindamise, lubade andmise ja piiramise kohta (REACH)¹ jõustus 1. juunil 2007. REACH kohaselt seisavad ELis tegutsevad ettevõtted teatud kohustusi tootjate, importijate ja / või allkasutajatena. Üks peamisi nõudeid on kohustus edastada teavet artiklite ainete kohta (artikkel 33).

Artikkel 33: Teave saajatele ja klientidele

Artikkel 33 REACH nõuab tarnijaid teavitama saajaid ja reageerima tarbijaküsimustele, kui artikkel sisaldab rohkem kui 0,1% (massist iga artiklist) mis tahes aine aine kohta, mis käsitleb Euroopa Kemikaaliameti poolt avaldatud kandidaatide nimekirja² (ECHA).

Samsung Electronics Co Ltd annab artikli 33 teavet järgmiselt. Lisaks saavad kõik tarbijad kasutada alltoodud kontakte, et esitada päringud Samsung Electronics'i toodete REACH kohustustega.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Peetakse kandidaadidena REACH XIV lisasse kandmiseks. Kandidaatide nimekirja viimane läbivaatamine avaldas 8. juulil 2021 Euroopa Kemikaaliamet aadressil: <https://echa.europa.eu/candidate-list-table>

Enamik tooteid ja pakendamist toodetud ja / või tarnitud Samsung Electronics Co Ltd ei sisalda aineid REACH SVHC kandidaatide nimekirja kontsentratsioonis üle 0,1% massist artikli kohta³. Allpool on loetletud Samsungi toodete piiratud arv artikleid. See on 2021. aasta septembri staatus.

Aine	CE Nr.	CAS Nr.	Individuaalsed tooted, mis võivad sisaldada ainet üle 0,1 massiprotsenti.	Taotlus
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tint	Komponent
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastist ja keraamika	PVA ristsildaja, lisand
2-ethoxyethyl acetate	203-839-2	111-15-9	Tint	Lahusti, component
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT ja epoksü	TFT eemaldamisprotsess, lisand, lahusti
N,N-dimethylacetamide	204-826-4	127-19-5	Kogutooted	Lisand
Formamide	200-842-0	75-12-7	Vaikuma	Lisand, lisand
Diboron trioxide	215-125-8	1303-86-2	Takisti	Klaasi, keraamilise ja metalli sulami component
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Vaigu ja tindiga	Kuivatusaine, tindi component, component
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Kogutooted	Lahusti, component
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keraamiline	Komponent
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Vaikuma	Komponent
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keraamiline	Komponent

³ Viide: ECHA juhised artiklite ainete nõuete kohta.

Aine	CE Nr.	CAS Nr.	Individuaalsed tooted, mis võivad sisaldada ainet üle 0,1 massiprotsenti.	Taotlus
N,N-dimethylformamide	200-679-5	68-12-2	Plastikust ja epoksü	Termoplastiline, lisand
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keraamika	Põhikomponent
Lead titanium trioxide	235-038-9	12060-00-3	Keraamilised ja klaas	Komponent
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keraamilised ja klaas	Komponent, lisand
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksiid ja metal	Komponent, polümeerisatsioon
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastikust ja epoksü	Puhumisained (padi), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Valgusdiod	Komponent
Cadmium oxide	215-146-2	1306-19-0	Keraamilised, klaas- ja metallisulamite	Komponent
Cadmium	231-152-8	7440-43-9	Vasesulam	Vase sulamite lisaaine või lisand
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]	-	-	Liim	Komponent
Trixylyl phosphate	246-677-8	25155-23-1	Vaigud	Flame aeglustant, component
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Vaik ja kummi	Komponent
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastist	UV-i, polarisaatori, ristsildaja, komponendi ennetamine
1,3-propanesultone	214-317-9	1120-71-4	Aku	Aku elektrolüüt

Aine	CE Nr.	CAS Nr.	Individuaalsed tooted, mis võivad sisaldada ainet üle 0,1 massiprotsenti.	Taotlus
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastist	Lisand, kõrvalprodukt, komponent
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Kogutooted	Polümeriseerimine
Cadmium carbonate	208-168-9	513-78-0	Laiendatud polüstüreen	Plastifikaator
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Vaikuma	Komponent
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keraamilised ja epoksü	Keraamilise, polümerisatsioonireaktsiooni osa
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastic ja Silicon	Lisand, lisand, component
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastic ja Silicon	Lisand, lisand, component
Ethylenediamine (EDA)	203-468-6	107-15-3	Metallisulami	Plating, stabilisaator, component
Lead	231-100-4	7439-92-1	Metallisulamist, keraamika, klaas ja joote	Komponent, lisand
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastic ja Silicon	Lisand, lisand, component
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tindi ja värvi	Komponent, lisand
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Vaikuma	Kaabel, andur
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksüvaigu ja tindi	Foto initsiaator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksüvaigu ja tindi	Foto initsiaator, kõvendi, ristsidumisagent, component

Aine	CE Nr.	CAS Nr.	Individuaalsed tooted, mis võivad sisaldada ainet üle 0,1 massiprotsenti.	Taotlus
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Kumm	Komponent
1-vinylimidazole	214-012-0	1072-63-5	Plast	Plastifikaator
2-methylimidazole	211-765-7	693-98-1	Epoksiidvaik	Vormimine ühendid
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Vaikuma	Plastifikaator, lisand, lisand
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Vaigu ja tindiga	Komponent, lisand
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Vaikuma	Plastifikaator
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Vaikuma	Plastifikaator
1,4-dioxane	204-661-8	123-91-1	Kogutooted	Lahusti
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Kogutooted	Plastifikaator, lisand



syyskuuta 2021

REACH ja Samsung Electronics -tuotteet

Asetus N:o 1907/2006 kemikaalien rekisteröinnistä, arvioinnista, lupasta ja rajoittamisesta (REACH)¹ tuli voimaan 1. kesäkuuta 2007. REACH mukaan EU:ssa toimivat yritykset kohtaavat tiettyjä velvoitteita valmistajina, maahantuojina ja / tai loppupääkäyttäjinä. Yksi tärkeimmistä vaatimuksista on velvollisuus toimittaa tietoja artikloihin liittyvistä aineista (33 artikla).

33 artikla: Vastaanottajien ja asiakkaiden tiedot

REACH:n 33 artiklassa edellytetään toimittajia tiedottamaan vastaanottajille ja vastaamaan kuluttajien kyselyihin, jos artikkeli sisältää yli 0,1 prosenttia (painoprosenttia artikkelia) minkä tahansa aineen erittäin korkealaatuisten aineiden osalta ehdokasluettelo² julkaisija Euroopan kemikaalivirasto (ECHA).

Samsung Electronics Co. Ltd tarjoaa 3 artiklaa koskevat tiedot seuraavasti. Lisäksi kaikki kuluttajat voivat käyttää alla olevia yhteystietoja toimittamaan kyselyjä REACH-velvoitteisiin Samsung Electronics -tuotteissa.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Katsotaan ehdokkaiksi sisällyttämiseksi liitteeseen XIV REACH. Euroopan kemikaalivirasto julkaisi ehdokasluettelon viimeisin tarkistus 8. heinäkuuta 2021 osoitteessa <https://echa.europa.eu/candidate-list-table>

Suurin osa Samsung Electronics Co Ltd: n valmistajista ja / tai toimittamista tuotteista ja pakkauksista ei sisällä aineita REACH SVHC ehdokasluettelossa pitoisuuksina yli 0,1 painoprosenttia artikkelista³. Seuraavassa luetellaan jäljempänä lueteltuja Samsung-tuotteita koskevia artikkeleita. Tämä on tilanne syyskuussa 2021.

Aine	CE No.	CAS No.	Yksittäiset esineet, jotka voivat sisältää aineen yli 0,1 painoprosenttia.	Sovellus
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Muste	Komponentti
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Muovi ja keramiikka	PVA CrossLinking Agent, epäpuhtaus
2-ethoxyethyl acetate	203-839-2	111-15-9	Muste	Liuotin, komponentti
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT ja epoksi	TFT-strippausprosessi, epäpuhtaus, liuotin
N,N-dimethylacetamide	204-826-4	127-19-5	Koko tuotteet	Epäpuhtaus
Formamide	200-842-0	75-12-7	Hartsit	Epäpuhtaus, lisäaine
Diboron trioxide	215-125-8	1303-86-2	Vastukset	Lasin, keraamisen ja metalliseoksen komponentti
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Hartsit ja muste	Kovettava aine, musteen komponentti, komponentti
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Koko tuotteet	Liuotin, komponentti
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keraaminen	Komponentti
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Hartsit	Komponentti
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keraaminen	Komponentti

³ Viite: kemikaaliviraston ohjeet aineiden vaatimuksista.

Aine	CE No.	CAS No.	Yksittäiset esineet, jotka voivat sisältää aineen yli 0,1 painoprosenttia.	Sovellus
N,N-dimethylformamide	200-679-5	68-12-2	Muovi ja epoksi	Termoplastinen, lisäaine
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keraaminen	Pääkomponentti
Lead titanium trioxide	235-038-9	12060-00-3	Keraaminen ja lasi	Komponentti
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keraaminen ja lasi	Komponentti, lisäaine
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksi ja metallic	Komponentti, polymerointi
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Muovi ja epoksi	Puhallusaine (tyyny), komponentti
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Valodiodi	Komponentti
Cadmium oxide	215-146-2	1306-19-0	Keraaminen, lasi ja metallinen seos	Komponentti
Cadmium	231-152-8	7440-43-9	Kupariseos	Lisäaine tai epäpuhtaus kupariseoksista
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]	-	-	Liima	Komponentti
Trixylyl phosphate	246-677-8	25155-23-1	Hartsit	Palonestoaine, komponentti
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Hartsit ja kumi	Komponentti
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Muovi	UV: n, polarisaattorin estäminen, silloittava aine, komponentti
1,3-propanesultone	214-317-9	1120-71-4	Akku	Akun elektrolyytti

Aine	CE No.	CAS No.	Yksittäiset esineet, jotka voivat sisältää aineen yli 0,1 painoprosenttia.	Sovellus
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Muovi	Epäpuhtaus, sivutuotteet, komponentti
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Koko tuotteet	Polymerointi
Cadmium carbonate	208-168-9	513-78-0	Laajennettu polystyreeni	Pehmitin
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Hartsit	Komponentti
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keraaminen ja epoksi	Keraamisen, polymerointireaktion komponentti
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Muovi ja pii	Lisäaine, epäpuhtaus, komponentti
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Muovi ja pii	Lisäaine, epäpuhtaus, komponentti
Ethylenediamine (EDA)	203-468-6	107-15-3	Metal seos	Plating, stabilointiaine, komponentti
Lead	231-100-4	7439-92-1	Metalliset seokset, keraaminen, lasi ja juote	Komponentti, epäpuhtaus
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Muovi ja pii	Lisäaine, epäpuhtaus, komponentti
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Muste ja maali	Komponentti, epäpuhtaus
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Hartsit	Kaapeli, anturi
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksihartsit ja muste	Photo Initiator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksihartsit ja muste	Photo Initiator, Kovetin, silloitusosa, komponentti

Aine	CE No.	CAS No.	Yksittäiset esineet, jotka voivat sisältää aineen yli 0,1 painoprosenttia.	Sovellus
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Kumi	Komponentti
1-vinylimidazole	214-012-0	1072-63-5	Muovit	Pehmitin
2-methylimidazole	211-765-7	693-98-1	Epoksihartsi	Muovausyhdisteet
Diocetyl 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Hartsi	Pehmitin, lisäaine, epäpuhtaus
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Hartsi ja muste	Komponentti, epäpuhtaus
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Hartsi	Pehmitin
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Hartsi	Pehmitin
1,4-dioxane	204-661-8	123-91-1	Koko tuotteet	Liuotin
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Koko tuotteet	Pehmitin, epäpuhtaus



septembre 2021

REACH et les produits Samsung Electronics

Règlement n ° 1907/2006 sur l'enregistrement, l'évaluation, l'autorisation et la restriction des produits chimiques (REACH)¹ entrée en vigueur le 1er juin 2007. Selon REACH, les entreprises opérant dans l'UE font face à certaines obligations en tant que fabricants, importateurs et / ou utilisateurs en aval. L'une des principales exigences est l'obligation de communiquer des informations sur les substances des articles (article 33).

Article 33: Informations pour les destinataires et les clients

L'article 33 de REACH oblige les fournisseurs à informer les destinataires et à répondre aux demandes de consommation si un article contient plus de 0,1% (en poids par article) de toute substance sur les substances de la liste des candidats très importante publiée par l'Agence européenne des produits chimiques (ECHA)².

Samsung Electronics Co. Ltd (SEC) fournit des informations sur l'article 33 comme suit. En outre, tous les consommateurs peuvent utiliser les contacts ci-dessous pour soumettre des questions relatives aux obligations de portée dans les produits Samsung Electronics.

environnement@samsung.com

¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considéré comme candidats à inclure à l'annexe XIV de REACH. La dernière révision de la liste des candidats a été publiée par l'Agence européenne Chemicals le 8 juillet 2021 à l'adresse suivante: <https://echa.europa.eu/candidate-list-table>

La majorité des produits et des emballages fabriqués et / ou fournis par Samsung Electronics Co. Ltd (SEC) ne contiennent pas de substances à la liste des candidats SVHC REACH en concentrations supérieures à 0,1% en poids par article³. Les numéros limités d'articles concernés sont énumérés ci-dessous. C'est le statut de juillet 2021.

Substance	EC No.	CAS No	Articles individuels pouvant contenir la substance supérieure à 0,1% en poids.	Application
Pitch, coal tar, high temp.	266-028-2	65996-93-2	L'encre	Composant
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Le plastique et la céramique	Agent de réticulation PVA, impureté
2-ethoxyethyl acetate	203-839-2	111-15-9	L'encre	Solvant, Composant
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT et époxy	Processus de décapage TFT, impureté, Solvant
N,N-dimethylacetamide	204-826-4	127-19-5	L'encre	Impureté
Formamide	200-842-0	75-12-7	Résine F	Impureté, additif
Diboron trioxide	215-125-8	1303-86-2	Résistance	Composant de verre, en céramique et en alliage métallique
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Résine et l'encre	Agent de durcissement, Composant de l'encre, Composant
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	L'encre	Solvant, Composant
Tetralead trioxide sulphate	235-380-9	12202-17-4	Céramique	Composant
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Résine Pyrochlore	Composant
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Céramique	Composant

³ Référence: Orientation ECHA sur les exigences relatives aux substances des articles.

Substance	EC No.	CAS No	Articles individuels pouvant contenir la substance supérieure à 0,1% en poids.	Application
N,N-dimethylformamide	200-679-5	68-12-2	Plastique et époxy	Thermoplastique, additif
Lead titanium zirconium oxide	235-727-4	12626-81-2	Céramique	Composant principal
Lead titanium trioxide	235-038-9	12060-00-3	Céramique et verre	Composant
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Céramique et verre	Composant, additif
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Époxy et métal	Composant, polymérisation
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastique et époxy	Agent de soufflage (coussin), Composant
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Diode électro-luminescente	Composant
Cadmium oxide	215-146-2	1306-19-0	Céramique, Verre et alliage métallique	Composant
Cadmium	231-152-8	7440-43-9	Alliage de cuivre	Additif ou impureté des alliages de cuivre
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]	-	-	Adhésif	Composant
Trixylyl phosphate	246-677-8	25155-23-1	Résines	Ignifuge, Composant
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Résine et caoutchouc	Composant
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastique	Prévention des UV, polariseur, agent de réticulation, Composant
1,3-propanesultone	214-317-9	1120-71-4	Batterie	Électrolyte de la batterie

Substance	EC No.	CAS No	Articles individuels pouvant contenir la substance supérieure à 0,1% en poids.	Application
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastique	Impureté, sous-produit, Composant
P-(1,1-diméthylpropyl)phenol	201-280-9	80-46-6	L'encre	polymérisation
Cadmium carbonate	208-168-9	513-78-0	Polystyrène expansé	Plastifiant
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Résine	Composant
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Céramique et époxy	Composant ode Céramique, Plastifiant polymérisation
Decaméthyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastique et silicium	Additif, Impureté, Composant
Dodecaméthyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastique et silicium	Additif, Impureté, Composant
Ethylènediamine (EDA)	203-468-6	107-15-3	Alliage métallique	Placage, stabilisant, Composant
Lead	231-100-4	7439-92-1	Alliage métallique, Céramique, verre et soudure	Composant, Impureté
Octaméthyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastique et silicium	Additif, Impureté, Composant
1,7,7-triméthyl-3-(phenylméthylène)bicyclo[2.2.1]heptan-2-one, 3-benzylidène camphor; 3-BC	239-139-9	15087-24-8	L'encre et peinture	Composant, Impureté
Tris(4-nonylphényl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphényl, branched and linear (4-NP)	-	-	Résine	Câble, capteur
2-benzyl-2-diméthylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Époxy Résine et l'encre	Initiateur de photos
2-méthyl-1-(4-méthylthiophényl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Époxy Résine et l'encre	Initiateur de photos, hardener, agent de réticulation, Composant
Perfluorobutane sulfonic acid (PFBS)	-	-	Caoutchouc	Composant

Substance	EC No.	CAS No	Articles individuels pouvant contenir la substance supérieure à 0,1% en poids.	Application
and its salts				
1-vinylimidazole	214-012-0	1072-63-5	Plastique	Plastifiant
2-methylimidazole	211-765-7	693-98-1	Époxy Résine	Composés de moulage
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Résine	Plastifiant, additif, Impureté
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Résine et l'encre	Composant, Impureté
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Résine	Plastifiant
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Résine	Plastifiant
1,4-dioxane	204-661-8	123-91-1	L'encre	Solvant
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	L'encre	Plastifiant, Impureté



September 2021

REACH- und SAMSUNG ELECTRONICS-Produkte

Die Verordnung Nr. 1907/2006 bei der Registrierung, Bewertung, Genehmigung und Beschränkung von Chemikalien (REACH)¹ trat am 1. Juni 2007 in Kraft. Gemäß REACH, die in der EU tätig sind, stellen Unternehmen, die in der EU tätig sind, bestimmte Verpflichtungen als Hersteller, Importeure und / oder nachgelagerte Benutzer. Eine der wichtigsten Anforderungen ist die Pflicht, Informationen zu den Artikeln in Artikeln zu kommunizieren (Artikel 33).

Artikel 33: Informationen für Empfänger & Kunden

Artikel 33 der REACH erfordert Lieferanten, um Empfänger zu informieren und auf Verbraucheranfragen zu reagieren, wenn ein Artikel mehr als 0,1% (Gewicht pro Artikel) einer beliebigen Substanz auf den Substanzen der sehr hohen Sorge-Kandidatenliste enthält², die von der Europäischen Chemikalienagentur (ECHA) veröffentlicht wurde.

Samsung Electronics Co. Ltd enthält Artikel 33 Informationen wie folgt. Darüber hinaus können alle Verbraucher die untenstehenden Kontakte verwenden, um Abfragen in Bezug auf die REACH -Plöpfe in den Produkten von Samsung Electronics abzurufen.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Als Kandidaten für die Inklusion in Anhang XIV von REACH betrachtet. Die neueste Revision der Kandidatenliste wurde am 8. Juli 2021 von der Europäischen Chemikalienagentur veröffentlicht: <https://echa.europa.eu/candidat-list-table>

Die Mehrheit der Produkte und Verpackungen, wie sie von Samsung Electronics Co. Ltd hergestellt und / oder verpackt werden, enthalten keine Substanzen an der REACH SVHC-Kandidatenliste in Konzentrationen von mehr als 0,1 Gew.-% pro Gewichtsprozent³. Die begrenzte Anzahl von Artikeln in betroffenen Samsung-Produkten sind unten aufgeführt. Dies ist der Status zum 2021. September.

Substanz	CE No.	CAS No.	Einzelne Artikel, die die Substanz über 0,1 Gew.-% enthalten können.	Anwendung
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinte	Komponente
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Kunststoff und Keramik	PVA- Vernetzungsmittel, Verunreinigung
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinte	Lösungsmittel, Komponente
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT und Epoxy	TFT-Abstreifvorgang, Verunreinigung, Lösungsmittel
N,N-dimethylacetamide	204-826-4	127-19-5	Ganzes Produkt	Verunreinigung
Formamide	200-842-0	75-12-7	Harz	Verunreinigung, Additiv
Diboron trioxide	215-125-8	1303-86-2	Widerstände	Komponente von Glas, Keramik und Metalllegierung
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Harz und Tinte	Härter, Komponente von Tinte, Komponente
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Ganze Produkte	Lösungsmittel, Komponente
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramisch	Komponente
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Harz	Komponente
Orange lead	215-235-6	1314-41-3	Keramisch	Komponente

³ Referenz: ECHA-Anleitung zu Anforderungen an Gegenstände in Artikeln.

Substanz	CE No.	CAS No.	Einzelne Artikel, die die Substanz über 0,1 Gew.-% enthalten können.	Anwendung
(Lead tetroxide)				
N,N-dimethylformamide	200-679-5	68-12-2	Kunststoff und Epoxy	Thermoplastisch, Additiv
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramik	Hauptbestandteil
Lead titanium trioxide	235-038-9	12060-00-3	Keramik und Glas	Komponente
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramik und Glas	Komponente, Additiv
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxid- und Metall	Komponente, Polymerisation
Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Kunststoff und Epoxy	Treibmittel (Kissen), Komponente
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Leuchtdiode	Komponente
Cadmium oxide	215-146-2	1306-19-0	Keramik-, Glas- und Metalllegierung	Komponente
Cadmium	231-152-8	7440-43-9	Kupferlegierung	Additiv oder Verunreinigung von Kupferlegierungen
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]	-	-	Klebstoff	Komponente
Trixylyl phosphate	246-677-8	25155-23-1	Harze	Flammschutzmittel, Komponente
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Harz und Gummi	Komponente
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Kunststoff	Verhinderung von UV, Polarisator,

Substanz	CE No.	CAS No.	Einzelne Artikel, die die Substanz über 0,1 Gew.-% enthalten können.	Anwendung
				Vernetzungsmittel, Komponente
1,3-propanesultone	214-317-9	1120-71-4	Batterie	Batterielektrolyt
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Kunststoff	Verunreinigung, Nebenprodukt, Komponente
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Ganzes Produkt	Polymerisation
Cadmium carbonate	208-168-9	513-78-0	Expandiertes Polystyrol	Weichmacher
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Harz	Komponente
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramik und Epoxy	Komponente der Keramik, Polymerisationsreaktion
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Kunststoff und Silikon	Additiv, Verunreinigung, Komponente
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Kunststoff und Silikon	Additiv, Verunreinigung, Komponente
Ethylenediamine (EDA)	203-468-6	107-15-3	Metalllegierung	Plattierung, Stabilisator, Komponente
Lead	231-100-4	7439-92-1	Metalllegierung, Keramik, Glas und Lot	Komponente, Verunreinigung
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Kunststoff und Silikon	Additiv, Verunreinigung, Komponente
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tinte und Farbe	Komponente, Verunreinigung
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Harz	Kabel, Sensor

Substanz	CE No.	CAS No.	Einzelne Artikel, die die Substanz über 0,1 Gew .-% enthalten können.	Anwendung
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxidharz und Tinte	Photoinitiator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxidharz und Tinte	Photoinitiator, Härter, Vernetzungsmittel, Komponente
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Gummi	Komponente
1-vinylimidazole	214-012-0	1072-63-5	Plastik	Weichmacher
2-methylimidazole	211-765-7	693-98-1	Epoxidharz	Formmassen
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Harz	Weichmacher, Zusatzstoff, Verunreinigung
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Harz und Tinte	Komponente, Verunreinigung
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Harz	Weichmacher
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Harz	Weichmacher
1,4-dioxane	204-661-8	123-91-1	Ganzes Produkt	Lösungsmittel
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Ganzes Produkt	Weichmacher, Verunreinigung



Σεπτεμβρίου 2021

Τα προϊόντα REACH και Samsung Electronics '

Ο κανονισμός 1907/2006 σχετικά με την καταχώριση, την αξιολόγηση, την έγκριση και τον περιορισμό των χημικών ουσιών (REACH)¹ τέθηκε σε ισχύ την 1η Ιουνίου 2007. Σύμφωνα με το REACH, οι εταιρείες που δραστηριοποιούνται στην ΕΕ έχουν ορισμένες υποχρεώσεις ως κατασκευαστές, εισαγωγείς ή / και μεταγενέστερους χρήστες . Μία από τις βασικές απαιτήσεις είναι η υποχρέωση κοινοποίησης πληροφοριών σχετικά με τις ουσίες στα άρθρα (άρθρο 33).

Άρθρο 33: Πληροφορίες για τους αποδέκτες και τους πελάτες

Το άρθρο 33 του REACH απαιτεί από τους προμηθευτές να ενημερώνουν τους αποδέκτες και να ανταποκρίνονται στις έρευνες των καταναλωτών εάν ένα άρθρο περιέχει περισσότερο από 0,1% (κατά βάρος ανά άρθρο) οποιασδήποτε ουσίας στον υποψήφιο κατάλογο ουσιών πολύ υψηλής ανησυχίας² που δημοσιεύονται από τον Ευρωπαϊκό Οργανισμό Χημικών Προϊόντων (ECHA).

Το Samsung Electronics Co. Ltd παρέχει πληροφορίες 33 ως εξής. Επιπλέον, όλοι οι καταναλωτές μπορούν να χρησιμοποιήσουν τις παρακάτω επαφές για να υποβάλουν ερωτήματα σχετικά με τις υποχρεώσεις REACH στα προϊόντα της Samsung Electronics '.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Θεωρείται υποψήφιοι για συμπερίληψη στο παράρτημα XIV του REACH. Η τελευταία αναθεώρηση στον κατάλογο υποψηφίων δημοσιεύθηκε από τον Ευρωπαϊκό Οργανισμό Χημικών Προϊόντων στις 8 Ιουλίου 2021 στη διεύθυνση: <https://echa.europa.eu/candidate-list-table>

Η πλειοψηφία των προϊόντων και των συσκευασιών όπως παρασκευάζεται ή / και παρέχεται από το Samsung Electronics Co. Ltd δεν περιέχουν ουσίες στον κατάλογο υποψηφίων REACH SVHC σε συγκεντρώσεις μεγαλύτερες από 0,1% κατά βάρος ανά άρθρο³. Ο περιορισμένος αριθμός άρθρων στα προϊόντα της Samsung που επηρεάζονται απαριθμούνται παρακάτω. Αυτή είναι η κατάσταση του Σεπτεμβρίου 2021.

Ουσία	CE No.	CAS No.	Ατομικά αντικείμενα που μπορεί να περιέχουν την ουσία άνω του 0,1% κατά βάρος.	Εφαρμογή
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Μελάνι	Συστατικό
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Πλαστικά και κεραμικά	PVA σταυρό συνδετικό μέσο, ακαθαρσία
2-ethoxyethyl acetate	203-839-2	111-15-9	Μελάνι	Διαλύτης, συστατικό
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT και εποξεί	Διαδικασία απογύμνωσης TFT, ακαθαρσία, διαλύτης
N,N-dimethylacetamide	204-826-4	127-19-5	Ολόκληρα προϊόντα	Ακαθαρσία
Formamide	200-842-0	75-12-7	Ρητίνη	Ακαθαρσία, πρόσθετη
Diboron trioxide	215-125-8	1303-86-2	Αντιστάσεις	Συστατικό γυαλιού, κεραμικό και μεταλλικό κράμα
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Ρητίνη και μελάνι	Παράγοντα σκλήρυνσης, συστατικό μελάνι, συστατικό
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Ολόκληρα προϊόντα	Διαλύτης, στοιχείο
Tetralead trioxide sulphate	235-380-9	12202-17-4	Κεραμικός	Συστατικό
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	Ρητίνη	Συστατικό

³ Παραπομπή: Καθοδήγηση ECHA σχετικά με τις απαιτήσεις για τις ουσίες στα άρθρα.

Ουσία	CE No.	CAS No.	Ατομικά αντικείμενα που μπορεί να περιέχουν την ουσία άνω του 0,1% κατά βάρος.	Εφαρμογή
This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.				
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Κεραμικός	Συστατικό
N,N-dimethylformamide	200-679-5	68-12-2	Πλαστικό και εποξικό	Θερμοπλαστικό, πρόσθετο
Lead titanium zirconium oxide	235-727-4	12626-81-2	Κεραμικός	Κύρια συστατικά
Lead titanium trioxide	235-038-9	12060-00-3	Κεραμικό και γυαλί	Συστατικό
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Κεραμικό και γυαλί	Συστατικό, πρόσθετο
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Εποξικό και μέταλλο	Συστατικό, πολυμερισμός
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Πλαστικό και εποξικό	Φουσκώματος (μαξιλάρι), συστατικό
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Δίοδος εκπομπής φωτός	Συστατικό
Cadmium oxide	215-146-2	1306-19-0	Κεραμικό, γυάλινο και μεταλλικό κράμα	Συστατικό
Cadmium	231-152-8	7440-43-9	Κράμα χαλκού	Πρόσθετο ή ακαθαρσία κράματα χαλκού
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]	-	-	Συγκολλητικός	Συστατικό
Trixylyl phosphate	246-677-8	25155-23-1	Ρητίνες	Επιβραδυντικό φλόγας, συστατικά

Ουσία	CE No.	CAS No.	Ατομικά αντικείμενα που μπορεί να περιέχουν την ουσία άνω του 0,1% κατά βάρος.	Εφαρμογή
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Ρητίνη και καουτσούκ	Συστατικό
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Πλαστική ύλη	Πρόληψη της υπεριώδους, πολωτής, παράγοντα διασταύρωσης, συστατικού
1,3-propanesultone	214-317-9	1120-71-4	Μπαταρία	Ηλεκτρολύτη μπαταρίας
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Πλαστική ύλη	Ακαθαρσία, υποπροϊόν, συστατικό
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Ολόκληρα προϊόντα	Πολυμερισμός
Cadmium carbonate	208-168-9	513-78-0	Επεκταμένο πολυστυρένιο	Πλαστικοποιητής
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Ρητίνη	Συστατικό
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Κεραμικά και εποξειδικά	Συστατικό της κεραμικής, αντίδρασης πολυμερισμού
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Πλαστικό και πυρίτιο	Πρόσθετο, ακαθαρσία, συστατικό
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Πλαστικό και πυρίτιο	Πρόσθετο, ακαθαρσία, συστατικό
Ethylenediamine (EDA)	203-468-6	107-15-3	Μεταλλικό κράμα	Επίστρωση, Σταθεροποιητής, συστατικό
Lead	231-100-4	7439-92-1	Μεταλλικό κράμα, κεραμικό, γυαλί και συγκόλληση	Συστατικό, ακαθαρσία
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Πλαστικό και πυρίτιο	Πρόσθετο, ακαθαρσία, συστατικό
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]hept	239-139-9	15087-24-8	Μελάνι και βαφή	Συστατικό, ακαθαρσία

Ουσία	CE No.	CAS No.	Ατομικά αντικείμενα που μπορεί να περιέχουν την ουσία άνω του 0,1% κατά βάρος.	Εφαρμογή
an-2-one, 3-benzylidene camphor; 3-BC				
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Ρητίνη	Καλώδιο, αισθητήρα
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Εποξική ρητίνη και μελάνι	Φωτογραφία εκκινητή
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Εποξική ρητίνη και μελάνι	Φωτογραφία εκκινητή, σκληρυντικό, παράγοντα διασταύρωσης, συστατικό
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Καουτσούκ	Συστατικό
1-vinylimidazole	214-012-0	1072-63-5	Πλαστικά είδη	Πλαστικοποιητής
2-methylimidazole	211-765-7	693-98-1	Εποξική ρητίνη	Ενώσεις χύτευσης
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Ρητίνη	Πλαστικοποιητή, πρόσθετο, ακαθαρσία
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Ρητίνη και μελάνι	Συστατικό, ακαθαρσία
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Ρητίνη	Πλαστικοποιητής
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Ρητίνη	Πλαστικοποιητής
1,4-dioxane	204-661-8	123-91-1	Ολόκληρα προϊόντα	Διαλυτικό μέσο

Ουσία	CE No.	CAS No.	Ατομικά αντικείμενα που μπορεί να περιέχουν την ουσία άνω του 0,1% κατά βάρος.	Εφαρμογή
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Ολόκληρα προϊόντα	Πλαστικοποιητής, ακαθαρσία



2021. szeptember

REACH és SAMSUNG Electronics termékek

A vegyi anyagok lajstromozásáról, értékeléséről, engedélyezéséről és korlátozásáról szóló 1907/2006/EK rendelet (REACH)¹ 2007. június 1-jén lépett hatályba. A REACH, az EU-ban működő vállalatoknak bizonyos kötelezettségekkel, importőrökkel és / vagy továbbfelhasználókkal szembeni kötelezettségekkel szembesülnek. A kulcsfontosságú követelmények egyike a cikkekben szereplő anyagokról szóló információk (33. cikk).

33. cikk: A címzettek és az ügyfelek tájékoztatása

33. cikke REACH megköveteli a szállítókat, hogy tájékoztassák a címzetteket és kielégíteni a fogyasztói kérdéseket, ha egy cikk több, mint 0,1% (tömeg cikkenként) bármely anyagnak az anyagok különös aggodalomra okot jelölt által közzétett lista² az Európai Vegyianyag-ügynökség (ECHA).

A Samsung Electronics Co. Ltd. a 33. cikket a következőképpen tartalmazza. Ezenkívül minden fogyasztó használhatja az alábbiakban az alábbiakban a Samsung Electronics termékek REACH kötelezettségeire vonatkozó lekérdezések benyújtására.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² A REACH XIV. Mellékletbe való felvételre irányuló jelöltek. A legutóbbi felülvizsgálata a jelölt listát tettek közzé az Európai Vegyianyag-ügynökség július 8, 2021 at: <https://echa.europa.eu/candidate-list-table>

A Samsung Electronics Co. Ltd. által gyártott termékek és / vagy csomagolás többsége nem tartalmaznak olyan anyagokat, amelyek a REACH SVHC jelölt listán szerepelnek a 0,1 tömeg% -nál nagyobb koncentrációban³. Az érintett Samsung termékek korlátozott számát az alábbiakban sorolják fel. Ez a szeptember 2021-én.

Anyag	CE No.	CAS No.	Az egyedi cikkek, amelyek 0,1 tömeg% feletti anyagot tartalmazhatnak.	Alkalmazás
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinta	Összetevő
Boric acid, Boric acid crude natual	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Műanyag és kerámia	PVA térhálósító szer, szennyeződés
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinta	Oldószer, komponens
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT és Epoxi	TFT sztrippelési folyamat, szennyeződés, oldószer
N,N-dimethylacetamide	204-826-4	127-19-5	Teljes termékek	Szennyeződés
Formamide	200-842-0	75-12-7	Gyanta	Szennyeződés, adalékanyag
Diboron trioxide	215-125-8	1303-86-2	Ellenállások	Üveg, kerámia és fémötvtözet összetevője
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Gyanta és tinta	Gyógyító szer, Tinta alkatrésze, összetevője
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Teljes termékek	Oldószer, komponens
Tetralead trioxide sulphate	235-380-9	12202-17-4	Kerámiai	Összetevő
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Gyanta	Összetevő
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Kerámiai	Összetevő

³ Hivatkozás: ECHA Útmutató A cikkekben szereplő anyagok követelményeihez

Anyag	CE No.	CAS No.	Az egyedi cikkek, amelyek 0,1 tömeg% feletti anyagot tartalmazhatnak.	Alkalmazás
N,N-dimethylformamide	200-679-5	68-12-2	Műanyag és epoxi	Termoplasztikus, adalékanyag
Lead titanium zirconium oxide	235-727-4	12626-81-2	Kerámiai	Főösszetevő
Lead titanium trioxide	235-038-9	12060-00-3	Kerámia és üveg	Összetevő
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Kerámia és üveg	Komponens, adalékanyag
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxi és fém	Komponens, polimerizáció
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Műanyag és epoxy	Fújó ügynök (párna), komponens
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Fénykibocsátó dióda	Összetevő
Cadmium oxide	215-146-2	1306-19-0	Kerámia, üveg és fémötvözet	Összetevő
Cadmium	231-152-8	7440-43-9	Rézötvözet	A rézötvözetek adalékanyag vagy szennyeződése
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]	-	-	Ragasztóanyag	Összetevő
Trixylyl phosphate	246-677-8	25155-23-1	Resins.	Lánggátló, komponens
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Resin and rubber.	Összetevő
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastic.	Az UV, polarizátor, térhálósító szer, komponens megakadályozása

Anyag	CE No.	CAS No.	Az egyedi cikkek, amelyek 0,1 tömeg% feletti anyagot tartalmazhatnak.	Alkalmazás
1,3-propanesultone	214-317-9	1120-71-4	Battery.	Akkumulátor elektrolit
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastic.	Szennyeződés, melléktermék, összetevő
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Whole product.	Polimerizáció
Cadmium carbonate	208-168-9	513-78-0	Expanded Polystyrene.	Lágyítószer
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Resin.	Összetevő
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Ceramic and epoxy.	Kerámia összetevője, polimerizációs reakció
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastic and silicon.	Adalékanyag, szennyeződés, komponens
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastic and silicon.	Adalékanyag, szennyeződés, komponens
Ethylenediamine (EDA)	203-468-6	107-15-3	Metal alloy.	Galvanizálás, Stabilizátor, komponens
Lead	231-100-4	7439-92-1	Metal alloy, ceramic, glass and solder.	Komponens, szennyeződés
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastic and silicon.	Adalékanyag, szennyeződés, komponens
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Ink and paint.	Komponens, szennyeződés
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Resin.	Kábel, érzékelő
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxy resin and ink.	Fotó iniciátor

Anyag	CE No.	CAS No.	Az egyedi cikkek, amelyek 0,1 tömeg% feletti anyagot tartalmazhatnak.	Alkalmazás
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxy resin and ink.	Fotó iniciátor, keményítő, térhálósító szer, komponens
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Rubber.	Összetevő
1-vinylimidazole	214-012-0	1072-63-5	Plastics.	Lágyítószer
2-methylimidazole	211-765-7	693-98-1	Epoxy resin.	Formázó vegyületek
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Resin.	Lágyítószer, adalékanyag, szennyeződés
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Resin and ink.	Komponens, szennyeződés
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Resin.	Lágyítószer
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Resin.	Lágyítószer
1,4-dioxane	204-661-8	123-91-1	Whole product.	Oldószer
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Whole product.	Lágyítószer, szennyeződés



settembre 2021

Reach e Prodotti Samsung Electronics

Il regolamento n. 1907/2006 sulla registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH)¹ sono entrate in vigore il 1 ° giugno 2007. Secondo REACH, aziende che operano in faccia nell'UE alcuni obblighi come produttori, importatori e / o utilizzatori a valle . Uno dei requisiti fondamentali è il dovere di comunicare informazioni sulle sostanze presenti negli articoli (articolo 33).

Articolo 33: Informazioni per destinatari e clienti

L'articolo 33 del REACH impone ai fornitori di informare i destinatari e rispondere alle indagini dei consumatori se un articolo contiene oltre lo 0,1% (in peso per articolo) di qualsiasi sostanza sulle sostanze dell'elenco dei candidati di interesse molto elevato² pubblicato dall'Agenzia europea dei prodotti chimici (ECHA).

Samsung Electronics Co. Ltd fornisce l'articolo 33 informazioni come segue. Inoltre, tutti i consumatori possono utilizzare i contatti di seguito per presentare query relative agli obblighi REACH nei prodotti Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considerato come candidati per l'inclusione nell'allegato XIV del regolamento REACH. L'ultima revisione della lista dei candidati è stata pubblicata dall'Agenzia europea Chimica dell'8 luglio 2021 a: <https://echa.europa.eu/candidate-list-table>

La maggior parte dei prodotti e dei packaging come fabbricati e / o forniti da Samsung Electronics Co. Ltd non contiene sostanze sulla lista dei candidati a REACH SVHC in concentrazioni superiori allo 0,1% in peso per articolo³. Il numero limitato di articoli nei prodotti Samsung interessati sono elencati di seguito. Questo è lo stato del 2021 settembre.

Sostanza	CE No.	CAS No.	Articoli individuali che possono contenere la sostanza superiore allo 0,1% in peso.	Applicazione
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Inchiostro	Componente
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastica e ceramic	Agente di crosslinking PVA, impurità
2-ethoxyethyl acetate	203-839-2	111-15-9	Inchiostro	Solvente, componente
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT ed epossidica	Processo di stripping TFT, impurità, solvente
N,N-dimethylacetamide	204-826-4	127-19-5	Intero prodotto	Impurità
Formamide	200-842-0	75-12-7	Resina	Impurità, additive
Diboron trioxide	215-125-8	1303-86-2	Resistori	Componente di vetro, ceramica e lega metallica
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Resina e inchiostro	Agente di polimerizzazione, componente dell'inchiostro, componente
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Intero prodotto	Solvente, componente
Tetralead trioxide sulphate	235-380-9	12202-17-4	Ceramica	Componente
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Resina	Componente

³ Riferimento: orientamento ECHA sui requisiti per le sostanze negli articoli.

Sostanza	CE No.	CAS No.	Articoli individuali che possono contenere la sostanza superiore allo 0,1% in peso.	Applicazione
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Ceramica	Componente
N,N-dimethylformamide	200-679-5	68-12-2	Plastica ed epossidica.	Termoplastico, additive
Lead titanium zirconium oxide	235-727-4	12626-81-2	Ceramica	Componente principale
Lead titanium trioxide	235-038-9	12060-00-3	Ceramica e vetro	Componente
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Ceramica e vetro	Componente, additive
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epossidico e metallo	Componente, polimerizzazione
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastica ed epossidica	Agente di soffiaggio (cuscinio), componente
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Diodo ad emissione luminosa	Componente
Cadmium oxide	215-146-2	1306-19-0	Lega in ceramica, vetro e metallo	Componente
Cadmium	231-152-8	7440-43-9	Lega di rame	Additivo o impurità di leghe di rame
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]	-	-	Adesivo	Componente
Trixylyl phosphate	246-677-8	25155-23-1	Resine	Ritardante di fiamma, componente
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Resina e gomma	Componente

Sostanza	CE No.	CAS No.	Articoli individuali che possono contenere la sostanza superiore allo 0,1% in peso.	Applicazione
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastica	Prevenzione UV, Polarizzatore, Agente di reticolazione, Componente
1,3-propanesultone	214-317-9	1120-71-4	Batteria	Elettrolito della batteria
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastica	Impurità, sottoprodotto, componente
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Intero prodotto	Polimerizzazione
Cadmium carbonate	208-168-9	513-78-0	Polistirene espanso	Plastificante
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Resina	Componente
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Ceramica ed epossidica	Componente della reazione in ceramica, polimerizzazione
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastica e silicio	Additivo, impurità, componente
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastica e silicio	Additivo, impurità, componente
Ethylenediamine (EDA)	203-468-6	107-15-3	Lega metallica	Placcatura, stabilizzatore, componente
Lead	231-100-4	7439-92-1	Lega di metallo, ceramica, vetro e saldatura	Componente, impurità
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastica e silicio	Additivo, impurità, componente
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Inchiostro e vernice	Componente, impurità
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Resina	Cavo, sensore

Sostanza	CE No.	CAS No.	Articoli individuali che possono contenere la sostanza superiore allo 0,1% in peso.	Applicazione
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Resina epossidica e inchiostro	Iniziatore fotografico
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Resina epossidica e inchiostro.	Iniziatore fotografico, indurente, agente di reticolazione, componente
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Gomma	Componente
1-vinylimidazole	214-012-0	1072-63-5	Plastica	Plastificante
2-methylimidazole	211-765-7	693-98-1	Resina epossidica	Composti di stampaggio
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Resina	Plastificante, additivo, impurità
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Resina e inchiostro	Componente, impurità
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Resina	Plastificante
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Resina	Plastificante
1,4-dioxane	204-661-8	123-91-1	Intero prodotto	Solvente
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Intero prodotto	Plastificante, impurità



septembris 2021

REACH un Samsung Electronics produkti

Regula Nr. 1907/2006 par ķīmisko vielu reģistrāciju, novērtēšanu, atļauju un ierobežošanu (REACH)¹ stājās spēkā 2007. gada 1. jūnijā. Saskaņā ar REACH uzņēmumiem, kas darbojas ES saskaras ar noteiktām saistībām kā ražotājiem, importētājiem un / vai pakārtotajiem lietotājiem. Viena no galvenajām prasībām ir pienākums paziņot informāciju par izstrādājumu vielām (33. pants).

33. pants: informācija saņēmējiem un klientiem

33. pants REACH prasa piegādātājiem informēt saņēmējus un reaģēt uz patērētāju izmeklēšanu, ja izstrādājums satur vairāk nekā 0,1% (pēc svara uz vienu vielu) jebkuras vielas uz vielām, kas ir ļoti augstas bažas kandidātu sarakstā² Eiropas Ķīmikāliju aģentūras (ECHA) publicēja.

Samsung Electronics Co Ltd nodrošina 33. panta informāciju šādi. Turklāt visi patērētāji var izmantot zemāk kontaktus, lai iesniegtu vaicājumus, kas attiecas uz REACH saistībām Samsung Electronics produktos.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Uzskata par kandidātiem iekļaušanai XIV pielikumā REACH. Jaunāko pārskatīšanu kandidātu sarakstā tika publicēts Eiropas Ķīmikāliju aģentūra 2021. gada 8. jūlijā: <https://echa.europa.eu/candidate-list-table>

Lielākā daļa produktu un iepakojumu, ko ražo un / vai piegādā Samsung Electronics Co Ltd, nesatur vielas uz REACH SVHC kandidātu sarakstā koncentrācijā, kas pārsniedz 0,1% no svara katrā rakstā³. Tālāk ir uzskaitīti ierobežotā skaita skaits Samsung produktos. Tas ir statuss 2021. gada septembrī.

Viela	CE Nr.	CAS Nr.	Atsevišķi izstrādājumi, kas var saturēt vielu virs 0,1% no svara.	Pielietojums
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinte	Komponents
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastmasa un keramika	PVA CrossLinking Agent, piemaisījums
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinte	Šķīdinātājs, komponents
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT un epoksīds	TFT noņemšanas process, piemaisījums, šķīdinātājs
N,N-dimethylacetamide	204-826-4	127-19-5	Veseli produkti	Piemaisījums
Formamide	200-842-0	75-12-7	Sveķe	Piemaisījums, piedeva
Diboron trioxide	215-125-8	1303-86-2	Rezistori	Stikla, keramikas un metāla sakausējuma sastāvdaļa
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Sveķi un tinti	Konservēšanas līdzeklis, tintes komponents, komponents
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Veseli produkti	Šķīdinātājs, komponents
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramika	Komponents
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Sveķe	Komponents
Orange lead	215-235-6	1314-41-3	Keramika	Komponents

³ Atsauce: ECHA norādījumi par prasībām attiecībā uz vielām izstrādājumos.

Vielā	CE Nr.	CAS Nr.	Atsevišķi izstrādājumi, kas var saturēt vielu virs 0,1% no svara.	Pielietojums
(Lead tetroxide)				
N,N-dimethylformamide	200-679-5	68-12-2	Plastmasa un epoksīds	Termoplastiska, piedeva
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramikas	Galvenais komponents
Lead titanium trioxide	235-038-9	12060-00-3	Keramikas un stikla	Komponents
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramikas un stikla	Komponents, piedeva
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksīds un metāls	Komponents, polimerizācija
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastmasa un epoksīds	Pūšanas aģents (spilvens), komponents
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Gaismas diode	Komponents
Cadmium oxide	215-146-2	1306-19-0	Keramikas, stikla un metāla sakausējuma	Komponents
Cadmium	231-152-8	7440-43-9	Sakausējums	Vara sakausējumu piedeva vai piemaisījums
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]	-	-	Līme	Komponents
Trixylyl phosphate	246-677-8	25155-23-1	Sveķi	Liesmas slāpētājs, komponents
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Sveķi un gumija	Komponents
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastmasa	UV, polarizatora, CrossLinking Agent,

Vielā	CE Nr.	CAS Nr.	Atsevišķi izstrādājumi, kas var saturēt vielu virs 0,1% no svara.	Pielietojums
				komponenta novēršana
1,3-propanesultone	214-317-9	1120-71-4	Akumulators	Akumulatora elektrolīts
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastmasa	Piemaisījums, blakusprodukts, komponents
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Veseli produkti	Polimerizācija
Cadmium carbonate	208-168-9	513-78-0	Paplašināts polistirols	Plastifikators
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Sveķe	Komponents
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramikas un epoksīds	Keramikas sastāvdaļa, polimerizācijas reakcija
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastmasa un silīcija	Piedeļa, piemaisījums, sastāvdaļa
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastmasa un silīcija	Piedeļa, piemaisījums, sastāvdaļa
Ethylenediamine (EDA)	203-468-6	107-15-3	Metāla sakausējums	Platēšana, stabilizators, komponents
Lead	231-100-4	7439-92-1	Metāla sakausējums, keramika, stikls un lodēšana	Komponents, piemaisījums
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastmasa un silīcija	Piedeļa, piemaisījums, sastāvdaļa
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tinte un krāsa	Komponents, piemaisījums
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Sveķe	Kabelis, sensors
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksīda sveķi un tinti	Foto iniciators

Vielā	CE Nr.	CAS Nr.	Atsevišķi izstrādājumi, kas var saturēt vielu virs 0,1% no svara.	Pielietojums
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksīda sveķi un tinti	Foto iniciators, cietinātājs, CrossLinking Agent, komponents
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Gumija	Komponents
1-vinylimidazole	214-012-0	1072-63-5	Plastmasa	Plastifikators
2-methylimidazole	211-765-7	693-98-1	Epoksīda sveķi	Formēšana savienojumi
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Sveķe	Plastifikators, piedeva, piemaisījums
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Sveķi un tinti	Komponents, piemaisījums
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Sveķe	Plastifikators
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Sveķe	Plastifikators
1,4-dioxane	204-661-8	123-91-1	Veseli produkti	Šķīdinātājs
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Veseli produkti	Plastifikators, piemaisījums



2021 m. Rugsėjo

REACH ir "Samsung" elektronikos produktai

Reglamentas Nr. 1907/2006 dėl cheminių medžiagų registravimo, vertinimo, leidimo ir apribojimų (REACH)¹ įsigaliojo 2007 m. Birželio 1 d. Pagal REACH, ES veikiančios įmonės susiduria su tam tikrais įsipareigojimais, kaip gamintojai, importuotojai ir (arba) tolesni naudotojai. Vienas iš pagrindinių reikalavimų yra pareiga perduoti informaciją apie medžiagas straipsniuose (33 straipsnis).

33 straipsnis: Informacija apie gavėjus ir klientus

REACH 33 straipsnyje reikalaujama, kad tiekėjai informuotų gavėjus ir atsakytų į vartotojų užklausas, jei straipsnyje yra daugiau kaip 0,1% (masės vienam straipsniui) apie bet kokios medžiagos apie labai didelio susirūpinimą keliančių medžiagų sąrašą², paskelbtą Europos cheminių medžiagų agentūros sąrašą (ECHA).

Samsung Electronics Co Ltd pateikia 33 straipsnio informaciją. Be to, visi vartotojai gali naudoti toliau pateiktus kontaktus pateikti užklausas, susijusias su REACH įsipareigojimus Samsung Electronics produktuose.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Laikomi kandidatais dėl REACH XIV priedo įtraukimo. Naujausią kandidatų sąrašo peržiūrą Europos cheminių medžiagų agentūra paskelbė 2021 m. Liepos 8 d.: <https://echa.europa.eu/candidate-list-table>

Dauguma produktų ir pakuočių, pagamintų ir (arba) tiekia Samsung Electronics Co Ltd neturi medžiagų ant REACH SVHC kandidatų sąrašo koncentracija didesnė kaip 0,1% pagal vieną straipsnį³. Toliau išvardytos ribotos SAMSUNG produktų straipsnių skaičius. Tai yra 2021 m. Rugsėjo mėn.

Esmė	CE Nr.	CAS Nr.	Individualūs gaminiai, kuriuose gali būti medžiagos, viršijančios 0,1% masės.	Taikymas
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Rašalas	Komponentas
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastikiniai ir keramika	PVA Crosslinking agentas, priemaiša
2-ethoxyethyl acetate	203-839-2	111-15-9	Rašalas	Tirpiklis, komponentas
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT ir epoksidai	TFT pašalinimo procesas, priemaiša, tirpiklis
N,N-dimethylacetamide	204-826-4	127-19-5	Visti produktai	Priemaiša
Formamide	200-842-0	75-12-7	Derva	Priemaiša, priedas
Diboron trioxide	215-125-8	1303-86-2	Rezistoriai	Stiklo, keramikos ir metalo lydinio komponentas
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Dervos ir rašalo	Kietėjimo agentas, rašalo komponentas, komponentas
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Visti produktai	Tirpiklis, komponentas
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramika	Komponentas
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Derva	Komponentas
Orange lead	215-235-6	1314-41-3	Keramika	Komponentas

³ Nuoroda: ECHA gaires dėl gaminių medžiagų reikalavimų.

Esmė	CE Nr.	CAS Nr.	Individualūs gaminiai, kuriuose gali būti medžiagos, viršijančios 0,1% masės.	Taikymas
(Lead tetroxide)				
N,N-dimethylformamide	200-679-5	68-12-2	Plastikas ir epoksidai	Termoplastinis, priedas
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramikos	Pagrindinis komponentas
Lead titanium trioxide	235-038-9	12060-00-3	Keramikos ir stiklo	Komponentas
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramikos ir stiklo	Komponentas, priedas
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksidai ir metalai	Komponentas, polimerizacija
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastikas ir epoksidai	Pūtimo agentas (pagalvėlė), komponentas
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Šviesos diodas	Komponentas
Cadmium oxide	215-146-2	1306-19-0	Keramikos, stiklo ir metalo lydinys	Komponentas
Cadmium	231-152-8	7440-43-9	Vario lydinys	Vario lydinių priedas arba priemaiša
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]	-	-	Klijai	Komponentas
Trixylyl phosphate	246-677-8	25155-23-1	Dervos	Liepsna, sudedamoji dalis
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Dervos ir gumos	Komponentas
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastmasinis	UV, poliarizatoriaus, kryžminio agento, komponento prevencija

Esmė	CE Nr.	CAS Nr.	Individualūs gaminiai, kuriuose gali būti medžiagos, viršijančios 0,1% masės.	Taikymas
1,3-propanesultone	214-317-9	1120-71-4	Baterija	Akumulatoriaus elektrolitas
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastmasinis	Priemaiša, šalutinis produktas, komponentas
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Visti produktai	Polimerizacija
Cadmium carbonate	208-168-9	513-78-0	Išplėstas polistirenas	Plastifikatorių
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Derva	Komponentas
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramikos ir epoksidinės medžiagos	Keraminės, polimerizacijos reakcijos komponentas
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastiko ir silicio	Priedas, priemaiša, komponentas
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastiko ir silicio	Priedas, priemaiša, komponentas
Ethylenediamine (EDA)	203-468-6	107-15-3	Metalo lydinys	Dengimas, stabilizatorius, komponentas
Lead	231-100-4	7439-92-1	Metalo lydinys, keramika, stiklas ir lydmetalės	Komponentas, priemaiša
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastiko ir silicio	Priedas, priemaiša, komponentas
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Rašalas ir dažai	Komponentas, priemaiša
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Derva	Kabelinė, jutiklis
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksidinė dervos ir rašalo	Nuotraukų iniciatorius

Esmė	CE Nr.	CAS Nr.	Individualūs gaminiai, kuriuose gali būti medžiagos, viršijančios 0,1% masės.	Taikymas
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksidinė dervos ir rašalo	Nuotraukų iniciatorius, kietiklis, kryžminio agentas, komponentas
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Guma	Komponentas
1-vinylimidazole	214-012-0	1072-63-5	Plastikai	Plastifikatorių
2-methylimidazole	211-765-7	693-98-1	Epoksidinės dervos	Liejimo junginiai
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Derva	Plastifikatorius, priedas, priemaiša
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Dervos ir rašalo	Komponentas, priemaiša
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Derva	Plastifikatorių
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Derva	Plastifikatorių
1,4-dioxane	204-661-8	123-91-1	Visti produktai	Tirpiklis
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Visti produktai	Plastifikatorius, priemaiša



września 2021

Produkty REACH i Samsung Electronics

Rozporządzenie nr 1907/2006 w sprawie rejestracji, oceny, zezwolenie i ograniczenie chemikaliów (REACH)¹ weszło w życie 1 czerwca 2007 r. Według REACH firmy działające w UE w obliczu pewnych obowiązków jako producentów, importerów i / lub dalszych użytkowników . Jednym z kluczowych wymagań jest obowiązek przekazywania informacji na temat substancji w artykułach (art. 33).

Artykuł 33: Informacje dla odbiorców i klientów

Artykuł 33 REACH Wymaga dostawców do informowania odbiorców i odpowiadają na zapytania konsumentów, jeżeli artykuł zawiera więcej niż 0,1% (wagowo na artykuł) każdej substancji na temat substancji o bardzo wysokiej liście kandydata² opublikowanych przez Europejską Agencję Chemikaliów (ECHA).

Samsung Electronics Co. Ltd przedstawia art. 33 w następujący sposób. Ponadto wszyscy konsumenci mogą korzystać z poniższych kontaktów, aby przesłać zapytania dotyczące zobowiązań REACH w produktach Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Uważany za kandydaci do włączenia do załącznika XIV REACH. Najnowsza wersja do listy kandydujących została opublikowana przez Europejską Agencję Chemikaliów w dniu 8 lipca 2021 r. Na: <https://echa.europa.eu/candidate-list-table>

Większość produktów i opakowań jako produkowana i / lub dostarczona przez Samsung Electronics Co. Ltd nie zawiera substancji na liście kandydatów REACH SVHC w stężeniach większych niż 0,1% wagowych na artykuł³. Ograniczona liczba artykułów w poszczególnych produktach Samsung jest wymieniona poniżej. Jest to status na lata 2021 września.

Substancja	CE Nr.	CAS Nr.	Poszczególne artykuły, które mogą zawierać substancję powyżej 0,1% wagowych.	Podanie
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Atrament	Składnik
Boric acid, Boric acid crude natual	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastik i ceramika	PAW Środek sieciujący, na zanieczyszczenie
2-ethoxyethyl acetate	203-839-2	111-15-9	Atrament	Rozpuszczalnik, składnik
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT i epoksyd	TFT procesu usuwania zanieczyszczeń, rozpuszczalnika
N,N-dimethylacetamide	204-826-4	127-19-5	Całe produkty	Zanieczyszczenie
Formamide	200-842-0	75-12-7	Żywica	Zanieczyszczenia, dodatku
Diboron trioxide	215-125-8	1303-86-2	Rezystory	Składnik szkła, ceramiki i stopu metali
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Żywica i atrament	środek wiążący, składnik farby Składnik
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Całe produkty	Rozpuszczalnik, składnik
Tetralead trioxide sulphate	235-380-9	12202-17-4	Ceramiczny	Składnik
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Żywica	Składnik
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Ceramiczny	Składnik

³ Odniesienie: Wytyczne ECHA w sprawie wymagań dotyczących substancji w artykułach.

Substancja	CE Nr.	CAS Nr.	Poszczególne artykuły, które mogą zawierać substancję powyżej 0,1% wagowych.	Podanie
N,N-dimethylformamide	200-679-5	68-12-2	Plastik i epoksydowy	Termoplastycznego, dodatku
Lead titanium zirconium oxide	235-727-4	12626-81-2	Ceramiczny	Główny składnik
Lead titanium trioxide	235-038-9	12060-00-3	Ceramiczny i szklany	Składnik
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Ceramiczny i szklany	Komponent dodatek
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksydowy i metal	Składnik polimeryzację
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastik i epoksydowy	Środek porotwórczy (poduszkę), składnik
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Dioda LED	Składnik
Cadmium oxide	215-146-2	1306-19-0	Ceramiczny, szklany i metalowy stop	Składnik
Cadmium	231-152-8	7440-43-9	Stop miedzi	Dodatek lub zanieczyszczenie stopów miedzi
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]	-	-	Spoiwo	Składnik
Trixylyl phosphate	246-677-8	25155-23-1	Żywic	zmniejszający palność, składnik
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Żywica i guma	Składnik
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastikowy	Zapobieganie UV, polaryzator, agent sieciowania, component

Substancja	CE Nr.	CAS Nr.	Poszczególne artykuły, które mogą zawierać substancję powyżej 0,1% wagowych.	Podanie
1,3-propanesultone	214-317-9	1120-71-4	Bateria	elektrolitu
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastikowy	Zanieczyszczeń, produkt uboczny składnik
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Całe produkty	Polimeryzacja
Cadmium carbonate	208-168-9	513-78-0	Rozszerzony polistyren	plastyfikatora
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Żywica	Składnik
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Ceramiczny i epoksydowy	Elementem ceramicznym, w reakcji polimeryzacji
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastik i krzem	Dodatek, zanieczyszczenie składnik
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastik i krzem	Dodatek, zanieczyszczenie składnik
Ethylenediamine (EDA)	203-468-6	107-15-3	Stop metalowy	Poszycia stabilizator składnik
Lead	231-100-4	7439-92-1	Stop metalowy, ceramiczny, szklany i lutowany	Komponent zanieczyszczeń
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastik i krzem	Dodatek, zanieczyszczenie składnik
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Atrament i farba	Komponent zanieczyszczeń
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Żywica	Kabel, czujnik

Substancja	CE Nr.	CAS Nr.	Poszczególne artykuły, które mogą zawierać substancję powyżej 0,1% wagowych.	Podanie
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Żywica epoksydowa i atrament	inicjatorem zdjęcia
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Żywica epoksydowa i atrament	Zdjęcie inicjator, utwardzacz, agent sieciowania, komponent
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Guma	Składnik
1-vinylimidazole	214-012-0	1072-63-5	Tworzywa sztuczne	plastyfikatora
2-methylimidazole	211-765-7	693-98-1	Żywica epoksydowa	Mieszanki do formowania
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Żywica	Plastyfikatora, dodatku, zanieczyszczenie
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Żywica i atrament	Komponent zanieczyszczeń
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Żywica	plastyfikatora
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Żywica	plastyfikatora
1,4-dioxane	204-661-8	123-91-1	Całe produkty	Rozpuszczalnik
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Całe produkty	Plastyfikator, zanieczyszczenie



setembro 2021

REACH e produtos da Samsung Electronics

O Regulamento n.º 1907/2006 relativo ao registo, avaliação, autorização e restrição de produtos químicos (REACH)¹ entrou em vigor em 1º de junho de 2007. De acordo com REACH, as empresas que operam na UE enfrentam certas obrigações como os fabricantes, importadores e / ou os utilizadores a jusante. Um dos principais requisitos é o dever de comunicar informações sobre substâncias nos artigos (artigo 33).

Artigo 33: Informações para destinatários e clientes

O artigo 33.º do REACH requer fornecedores para informar os destinatários e responder às consultas do consumidor se um artigo contiver mais de 0,1% (por peso por artigo) de qualquer substância sobre as substâncias da lista de candidatos de preocupação muito alta² publicada pela Agência Europeia de Chemicals (ECHA).

Samsung Electronics Co. Ltd fornece o Artigo 33.o Informação da seguinte forma. Além disso, todos os consumidores podem usar os contatos abaixo para enviar consultas relacionadas às obrigações REACH nos produtos da Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considerado como candidatos para inclusão no anexo XIV do REACH. A última revisão da lista de candidatos foi publicada pela Agência Europeia de Chemicals em 8 de julho de 2021 em: <https://echa.europa.eu/candidate-list-table>

A maioria dos produtos e embalagens como fabricado e / ou fornecido pela Samsung Electronics Co. Ltd não contém substâncias na lista de candidatos REACH SVHC em concentrações maiores que 0,1% em peso por artigo por artigo. O número limitado de artigos em produtos Samsung afetados são listados abaixo³. Este é o status em relação a 2021 de setembro.

Substância	CE No.	CAS No.	Artigos individuais que podem conter a substância acima de 0,1% em peso.	Aplicativo
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinta	Componente
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plástico e cerâmica	Agente de reticulação de PVA, impureza
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinta	Solvente, componente
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT e epoxy.	Processo de decapagem de TFT, impureza, solvente
N,N-dimethylacetamide	204-826-4	127-19-5	Produtos inteiros.	Impureza
Formamide	200-842-0	75-12-7	Resina	Impureza, aditivo
Diboron trioxide	215-125-8	1303-86-2	Resistores	Componente de vidro, cerâmica e liga de metal
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Resina e tinta	Agente de cura, componente de tinta, componente
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Produtos inteiros	Solvente, componente
Tetralead trioxide sulphate	235-380-9	12202-17-4	Cerâmica	Componente
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Resina	Componente
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Cerâmica	Componente

³ Referência: ECHA Orientação sobre requisitos para substâncias nos artigos.

Substância	CE No.	CAS No.	Artigos individuais que podem conter a substância acima de 0,1% em peso.	Aplicativo
N,N-dimethylformamide	200-679-5	68-12-2	Plástico e epóxi	Termoplástico, aditivo
Lead titanium zirconium oxide	235-727-4	12626-81-2	Cerâmica	Componente principal
Lead titanium trioxide	235-038-9	12060-00-3	Cerâmica e vidro	Componente
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Cerâmica e vidro	Componente, aditivo
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epóxi e metal	Componente, polimerização
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plástico e epóxi	Agente de sopro (almofada), componente
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Diodo emissor de luz	Componente
Cadmium oxide	215-146-2	1306-19-0	Liga de cerâmica, vidro e metal	Componente
Cadmium	231-152-8	7440-43-9	Liga de cobre	Aditivo ou impureza de ligas de cobre
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]	-	-	Adesivo	Componente
Trixylyl phosphate	246-677-8	25155-23-1	Resinas	Retardador de chama, componente
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Resina e borracha	Componente
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plástico	Prevenindo UV, Polarizador, Agente de Crosslinking, Componente

Substância	CE No.	CAS No.	Artigos individuais que podem conter a substância acima de 0,1% em peso.	Aplicativo
1,3-propanesultone	214-317-9	1120-71-4	Bateria	Eletrólito da bateria
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plástico	Impureza, subproduto, componente
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Produtos inteiros	Polimerização
Cadmium carbonate	208-168-9	513-78-0	Poliestireno expandido	Plastificante
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Resina	Componente
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Cerâmica e epoxy	Componente de cerâmica, reação de polimerização
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plástico e silício	Aditivo, impureza, componente
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plástico e silício	Aditivo, impureza, componente component
Ethylenediamine (EDA)	203-468-6	107-15-3	Liga metálica	Chapeamento, estabilizador, componente
Lead	231-100-4	7439-92-1	Liga de metal, cerâmica, vidro e solda	Componente, impureza
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plástico e silício	Aditivo, impureza, componente
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tinta e pintura	Componente, impureza
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Resina	Cabo, sensor.
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Resina e tinta epóxi	Foto iniciador
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Resina e tinta epóxi	Iniciador de fotos, endurecedor, agente de

Substância	CE No.	CAS No.	Artigos individuais que podem conter a substância acima de 0,1% em peso.	Aplicativo
				reticulação, componente
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Borracha	Componente
1-vinylimidazole	214-012-0	1072-63-5	Plásticos	Plastificante
2-methylimidazole	211-765-7	693-98-1	Resina epóxi	Compostos de moldagem
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Resina	Plastificante, aditivo, impureza
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Resina e tinta	Componente, impureza
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Resina	Plastificante
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Resina	Plastificante
1,4-dioxane	204-661-8	123-91-1	Produtos inteiros	Solvente
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Produtos inteiros	Plastificante, impureza



Septembrie 2021

REACH și produse Samsung Electronics

Regulamentul nr. 1907/2006 privind înregistrarea, evaluarea, autorizarea și restricționarea substanțelor chimice (REACH)¹ a intrat în vigoare la 1 iunie 2007. Potrivit REACH, companiile care operează în UE se confruntă cu anumite obligații ca producători, importatori și / sau utilizatori din aval. Una dintre cerințele esențiale este obligația de a comunica informații privind substanțele din articole (articolul 33).

Articolul 33: Informații pentru destinatari și clienți

Articolul 33 din REACH impune furnizorilor să informeze beneficiarii și să răspundă solicitărilor de consum în cazul în care un articol conține mai mult de 0,1% (în greutate pe articol) din orice substanță cu privire la substanțele liste de candidați foarte mare² publicată de Agenția Europeană pentru Produse Chimice (ECHA).

Samsung Electronics Co LTD oferă articole 33 informații după cum urmează. În plus, toți consumatorii pot utiliza contactele de mai jos pentru a trimite interogări referitoare la obligațiile REACH ale produselor Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considerate ca candidați pentru includerea în anexa XIV a REACH. Cea mai recentă revizuire a listei de candidați a fost publicată de Agenția Europeană pentru Produse Chimice la 8 iulie 2021 la: <https://echa.europa.eu/candated-list-table>

Majoritatea produselor și ambalajelor produse fabricate și / sau furnizate de Samsung Electronics Co. Ltd nu conțin substanțe la lista de candidați la REACH SVHC în concentrații mai mari de 0,1% în greutate pe articol³. Numărul limitat de articole din produsele Samsung afectate sunt enumerate mai jos. Acesta este statutul din septembrie 2021.

Substanță	CE No.	CAS No.	Articole individuale care pot conține substanța de peste 0,1% în greutate.	Aplicație
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Cerneală	Componenta
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastic și ceramic	Agent de reticulare PVA, impuritate
2-ethoxyethyl acetate	203-839-2	111-15-9	Cerneală	Solvent, componenta
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT și epoxid	Procesul de stripare a TFT, impuritatea, solventul
N,N-dimethylacetamide	204-826-4	127-19-5	Produse întregi	Impuritate
Formamide	200-842-0	75-12-7	Rășină	Impuritate, aditiv
Diboron trioxide	215-125-8	1303-86-2	Rezistențe	Componenta din aliajul din sticlă, ceramică și metal
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Rășină și cerneală	Agent de întărire, Component de cerneală, Componenta
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Produse întregi	Solvent, componenta
Tetralead trioxide sulphate	235-380-9	12202-17-4	Ceramică	Componenta
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Rășină	Componenta
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Ceramică	Componenta

³ Referință: Ghidul ECHA privind cerințele pentru substanțele din articole.

Substanță	CE No.	CAS No.	Articole individuale care pot conține substanța de peste 0,1% în greutate.	Aplicație
N,N-dimethylformamide	200-679-5	68-12-2	Plastic și epoxid	Thermoplastic, aditiv
Lead titanium zirconium oxide	235-727-4	12626-81-2	Ceramică.	Componenta principală
Lead titanium trioxide	235-038-9	12060-00-3	Ceramică și sticlă	Componenta
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Ceramică și sticlă	Componentă, aditiv
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxid și metal	Componentă, polimerizare
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastic și epoxid	Agent de suflare (pernă), componenta
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Dioda electro luminiscenta	Componenta
Cadmium oxide	215-146-2	1306-19-0	Ceramică, sticlă și aliaj metallic	Componenta
Cadmium	231-152-8	7440-43-9	Aliaj de cupru	Aditivul sau impuritatea aliajelor de cupru
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]	-	-	Adeziv	Componenta
Trixylyl phosphate	246-677-8	25155-23-1	Rășini	Flacări ignifuge, component
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Rășină și cauciuc	Componenta
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastic	Prevenirea UV, polarizator, agent de reticulare, a componentei

Substanță	CE No.	CAS No.	Articole individuale care pot conține substanța de peste 0,1% în greutate.	Aplicație
1,3-propanesultone	214-317-9	1120-71-4	Baterie	Electrolitul bateriei
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastic.	Impuritatea, produsul secundar, componenta
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Produse întregi	Polimerizare
Cadmium carbonate	208-168-9	513-78-0	Polistiren expandat	Plastifiant
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Rășină	Componenta
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Ceramică și epoxid	Componenta reacției ceramice, de polimerizare
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastic și siliciu	Aditivi, impurități, componente
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastic și siliciu	Aditivi, impurități, componente
Ethylenediamine (EDA)	203-468-6	107-15-3	Aliaj de metal	Placare, stabilizator, componenta
Lead	231-100-4	7439-92-1	Aliaj de metal, ceramică, sticlă și lipire	Componenta, impuritatea
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastic și siliciu	Aditivi, impurități, componente
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Cerneală și vopsea	Componenta, impuritatea
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Rășină	Cablu, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Rășină și cerneală epoxidică	Inițiator de fotografie
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Rășină și cerneală epoxidică	Inițiator foto, întăritor, agent de reticulare, componenta

Substanță	CE No.	CAS No.	Articole individuale care pot conține substanța de peste 0,1% în greutate.	Aplicație
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Cauciuc	Componenta
1-vinylimidazole	214-012-0	1072-63-5	Materiale plastic	Plastifiant
2-methylimidazole	211-765-7	693-98-1	Rășină epoxidică	Compuși de turnare
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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Rășină	Plastifiant, aditiv, impuritate
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Rășină și cerneală	Componenta, impuritatea
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Rășină	Plastifiant
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Rășină	Plastifiant
1,4-dioxane	204-661-8	123-91-1	Produse întregi	Solvent
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Produse întregi	Plastifiant, impuritate



septembra 2021

REACH a výrobky zo služby Samsung Electronics

Nariadenie č 1907/2006 o registrácii, hodnotení, autorizácii a obmedzovaní chemických látok (REACH)¹ nadobudlo účinnosť 1. júna 2007. Podľa REACH, spoločnosti pôsobiace v EÚ čelia určitým povinnostiam ako výrobcovia, dovozcovia a / alebo následní užívatelia . Jedným z kľúčových požiadaviek je povinnosť komunikovať informácie o látkach v článkoch (článok 33).

Článok 33: Informácie pre príjemcov a zákazníkov

Článok 33 REACH vyžaduje, aby dodávatelia informovali príjemcov a reagovali na otázky spotrebiteľov, ak článok obsahuje viac ako 0,1% (podľa hmotnosti podľa článku) akejkoľvek podstatnej látky na zozname kandidátskych látok veľmi vysokého záujmu² uverejnenej Európskou chemickou agentúrou (ECHA).

Samsung Electronics Co Ltd poskytuje článok 33 informácie nasledovne. Okrem toho všetci spotrebiteľia môžu použiť nižšie uvedené kontakty, ktoré predkladajú otázky týkajúce sa REACH povinností výrobkov spoločnosti Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Považované za kandidátov na zaradenie do prílohy XIV REACH. Najnovšia revízia zoznamu kandidátov bola vydaná Európskou chemickou agentúrou 8. júla 2021 na adrese: <https://echa.europa.eu/candidate-list-table>

Väčšina výrobkov a obalov, ako je vyrobená a / alebo dodaná spoločnosťou Samsung Electronics Co Ltd neobsahuje látky na kandidátskom zozname REACH SVHC v koncentráciách vyšších ako 0,1% hmotnosti podľa článku³. Obmedzený počet článkov v ovplyvnených výrobkoch spoločnosti Samsung sú uvedené nižšie. Toto je stav v septembri 2021.

Podstata	CE č.	CAS č.	Jednotlivé predmety, ktoré môžu obsahovať látku nad 0,1% hmotn.	Žiadosť
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Atrament	Komponent
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastové a keramiky	PVA zosieťovacie činidlo, nečistota
2-ethoxyethyl acetate	203-839-2	111-15-9	Atrament	Rozpúšťadlo, component
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT a epoxid	Proces stripovania TFT, nečistota, rozpúšťadlo
N,N-dimethylacetamide	204-826-4	127-19-5	Celé výrobky	Nečistota
Formamide	200-842-0	75-12-7	Živica	Nečistota, prísada
Diboron trioxide	215-125-8	1303-86-2	Rezistory	Komponent skla, keramického a kovovej zliatiny
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Živica a atrament	Vytvrdzovacie činidlo, zložka atramentu, component
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Celé výrobky	Rozpúšťadlo, component
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramický	Komponent
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Živica	Komponent
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramický	Komponent

³ Odkaz: Agentúra ECHA o požiadavkách na látky v článkoch.

Podstata	CE č.	CAS č.	Jednotlivé predmety, ktoré môžu obsahovať látku nad 0,1% hmotn.	Žiadosť
N,N-dimethylformamide	200-679-5	68-12-2	Plastové a epoxidové	Termoplastic, Aditívum
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramický	Hlavná zložka
Lead titanium trioxide	235-038-9	12060-00-3	Keramické a sklo	Komponent
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramické a sklo	Komponent, prísada
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxidový a kovový	Zložka, polymerizácia
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastové a epoxidové	Fúkacie činidlo (vankúš), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Dióda vyžarujúca svetlo	Komponent
Cadmium oxide	215-146-2	1306-19-0	Keramické, sklenené a kovové zliatiny	Komponent
Cadmium	231-152-8	7440-43-9	Zliatina medi	Aditívum alebo nečistota zliatin medi
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]	-	-	Lepidlo	Komponent
Trixylyl phosphate	246-677-8	25155-23-1	Živica	Spomaľovač horenia, component
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Živica a guma	Komponent
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastový	Prevenčia UV, Polarizátor, zosieťovacieho činidla, component

Podstata	CE č.	CAS č.	Jednotlivé predmety, ktoré môžu obsahovať látku nad 0,1% hmotn.	Žiadosť
1,3-propanesultone	214-317-9	1120-71-4	Batéria	Elektrolyt batérie
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastový	Nečistoty, vedľajšie produkty, komponent
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Celé výrobky	Polymerizácia
Cadmium carbonate	208-168-9	513-78-0	Expandovaný polystyrén	Zmäkčovadlo
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Živica	Komponent
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramický a epoxid	Zložka keramickej, polymerizačnej reakcie
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plast a kremík	Aditívum, nečistota, komponent
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plast a kremík	Aditívum, nečistota, komponent
Ethylenediamine (EDA)	203-468-6	107-15-3	Kovová zliatina	Pokovovanie, stabilizátor, komponent
Lead	231-100-4	7439-92-1	Kovová zliatina, keramika, sklo a spájkovanie	Komponent, nečistota
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plast a kremík	Aditívum, nečistota, komponent
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Atrament a farba	Komponent, nečistota
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Živica	Kábel, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxidová živica a atrament	Foto iniciátor
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxidová živica a atrament	Foto iniciátor, tužidlo, zosieťovacie činidlo, component

Podstata	CE č.	CAS č.	Jednotlivé predmety, ktoré môžu obsahovať látku nad 0,1% hmotn.	Žiadosť
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Gumový	Komponent
1-vinylimidazole	214-012-0	1072-63-5	Plasty	Zmäkčovadlo
2-methylimidazole	211-765-7	693-98-1	Epoxidová živica	Zlúčeniny formovania
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Živica	Plastifikátor, prísada, nečistota
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Živica a atrament	Komponent, nečistota
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Živica	Zmäkčovadlo
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Živica	Zmäkčovadlo
1,4-dioxane	204-661-8	123-91-1	Celé výrobky	Solventný
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Celé výrobky	Plastifikátor, nečistota



septembra 2021

REACH in Samsung Electronics Proizvodi

Uredba št. 1907/2006 o registraciji, ocenjevanju, dovoljenju in omejevanju kemikalij (REACH)¹ je začela veljati 1. junija 2007. Po mnenju REACH, podjetja, ki delujejo v EU, se soočajo z nekaterimi obveznostmi, ki so proizvajalci, uvozniki in / ali nadaljnji uporabniki . Ena od ključnih zahtev je dolžnost sporočanja informacij o snoveh v členih (člen 33).

Člen 33: Informacije za prejemnike in stranke

33. člen REACH zahteva, da dobavitelji obveščajo prejemnike in se odzivajo na poizvedbe potrošnikov, če članek vsebuje več kot 0,1% (po teži na člen) katere koli snovi na snoveh zelo pomembnega seznama kandidatov², ki jih je objavila Evropska agencija za kemikalije (ECHA).

Samsung Electronics Co Ltd zagotavlja člen 33 informacije, kot sledi. Poleg tega lahko vsi potrošniki uporabljajo spodnji stiki, da predložijo poizvedbe, ki se nanašajo na obveznosti REACH v izdelkih Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Kot kandidati za vključitev v Prilogo XIV REACH. Najnovejša revizija seznama kandidatov je objavila Evropska agencija za kemikalije 8. julija 2021 na: <https://echa.europa.eu/candidate-list-table>

Večina izdelkov in embalaže, kot je izdelana in / ali dobavljena s strani Samsung Electronics Co Ltd, ne vsebujejo snovi na seznamu REACH SVHC kandidata v koncentracijah, večjih od 0,1% po teži na članek³. Omejeno število člankov v zadevnih izdelkih Samsung so navedeni spodaj. To je status od septembra 2021.

Snov	CE št.	CAS št.	Posamezni članki, ki lahko vsebujejo snov nad 0,1 mas.%.	Uporaba
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Črnilo	Komponenta
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plastika in keramika	PVA CrossLinking Agent, Nečistoča
2-ethoxyethyl acetate	203-839-2	111-15-9	Črnilo	Topilo, komponenta
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT in Epoxy	Postopek odstranjevanja TFT, nečistoča, topila
N,N-dimethylacetamide	204-826-4	127-19-5	Cele izdelke	Nečistost
Formamide	200-842-0	75-12-7	Smola	Nezatovost, dodatek
Diboron trioxide	215-125-8	1303-86-2	Upori	Komponenta stekla, keramične in kovinske zlitine
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Smola in črnila	Agent za strjevanje, komponenta črnila, komponenta
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Cele izdelke	Topilo, komponenta
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramika	Komponenta
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Smola	Komponenta
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramika	Komponenta

³ Sklic: Smernice ECHA o zahtevah za snovi v izdelkih.

Snov	CE št.	CAS št.	Posamezni članki, ki lahko vsebujejo snov nad 0,1 mas.%. 	Uporaba
N,N-dimethylformamide	200-679-5	68-12-2	Plastika in epoksida	Termoplastik, dodatek
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramika	Glavna komponenta
Lead titanium trioxide	235-038-9	12060-00-3	Keramika in steklo	Komponenta
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramika in steklo	Komponenta, dodatek
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoksida in kovina	Komponenta, polimerizacija
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plastika in epoksida	Agent za pihanje (blazina), komponenta
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Svetleča diode	Komponenta
Cadmium oxide	215-146-2	1306-19-0	Keramične, steklene in kovinske zlitine	Komponenta
Cadmium	231-152-8	7440-43-9	Bakrena zlitina	Aditiv ali nečistoč bakrenih zlitin
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]	-	-	Lepilo	Komponenta
Trixylyl phosphate	246-677-8	25155-23-1	Smods	Zaviralec gorenja, komponenta
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-54-7	Smola in guma	Komponenta
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plastika	Preprečevanje UV-jev, Polarizatorja, CrossLinking Agent, Komponenta

Snov	CE št.	CAS št.	Posamezni članki, ki lahko vsebujejo snov nad 0,1 mas. %.	Uporaba
1,3-propanesultone	214-317-9	1120-71-4	Baterijo	Elektrolit baterije
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plastika	Nečistost, stranski proizvod, komponenta
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Cele izdelke	Polimerizacija
Cadmium carbonate	208-168-9	513-78-0	Razširjena polistirena	Mehčalec
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Smola	Komponenta
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramika in epoksida	Komponenta keramike, polimerizacijske reakcije
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plastika in silikona	Dodatek, nečistoča, komponenta
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plastika in silikona	Dodatek, nečistoča, komponenta
Ethylenediamine (EDA)	203-468-6	107-15-3	Kovinska zlitina	Platišča, stabilizator, komponenta
Lead	231-100-4	7439-92-1	Kovinska zlitina, keramika, steklo in spajkanje	Komponenta, nečistoča
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plastika in silikona	Dodatek, nečistoča, komponenta
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Črnilo in barva	Komponenta, nečistoča
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Smola	Kabel, senzor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoksidna smola in črnilo	Fotografski iniciator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoksidna smola in črnilo	Fotografski iniciator, trdilo, posredniki, komponenta

Snov	CE št.	CAS št.	Posamezni članki, ki lahko vsebujejo snov nad 0,1 mas.%,	Uporaba
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Guma	Komponenta
1-vinylimidazole	214-012-0	1072-63-5	Plastika	Mehčalec
2-methylimidazole	211-765-7	693-98-1	Epoksidne smole	Molding spojine
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Smola	Plastifikator, dodatek, nečistoč
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Smola in črnila	Komponenta, nečistoča
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Smola	Mehčalec
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Smola	Mehčalec
1,4-dioxane	204-661-8	123-91-1	Cele izdelke	Solvent
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Cele izdelke	Mehčalo, nečistoča



septiembre 2021

REACH y productos de Samsung Electronics

El Reglamento nº 1907/2006 sobre el registro, la evaluación, la autorización y la restricción de los productos químicos (REACH)¹ entró en vigor el 1 de junio de 2007. De acuerdo con REACH, las empresas que operan en la UE se enfrentan a ciertas obligaciones como fabricantes, importadores y / o usuarios finales. Uno de los requisitos clave es el deber de comunicar información sobre sustancias en los artículos (artículo 33).

Artículo 33: Información para destinatarios y clientes.

El artículo 33 de REACH requiere que los proveedores informen a los destinatarios y respondan a las consultas de los consumidores si un artículo contiene más del 0,1% (por peso por artículo) de cualquier sustancia en las sustancias de la lista de candidatos de muy alta preocupación² publicada por la Agencia Europea de Productos Químicos (ECHA).

Samsung Electronics Co. Ltd proporciona la información del artículo 33 de la siguiente manera. Además, todos los consumidores pueden usar los contactos a continuación para enviar consultas relacionadas con las obligaciones de REACH en los productos de Samsung Electronics.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Considerados como candidatos para su inclusión en el anexo XIV del REACH. La última revisión de la lista de candidatos fue publicada por la Agencia Europea de Productos Químicos el 8 de julio de 2021 en: <https://echa.europa.eu/candidate-list-table>

La mayoría de los productos y envases como fabricados y / o suministrados por Samsung Electronics Co. Ltd no contienen sustancias en la lista de candidatos REACH SVHC en concentraciones superiores al 0,1% en peso por artículo³. El número limitado de artículos en los productos de Samsung afectados se enumeran a continuación. Este es el estado al 20 de septiembre de 2021.

Sustancia	CE No.	CAS No.	Artículos individuales que pueden contener la sustancia por encima del 0,1% en peso.	Solicitud
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Tinta	Componente
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plástico y cerámica.	Agente de reticulación de PVA, impureza
2-ethoxyethyl acetate	203-839-2	111-15-9	Tinta.	Solvente, componente
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT y Epoxi.	Proceso de pelado TFT, impureza, solvente.
N,N-dimethylacetamide	204-826-4	127-19-5	Todo el producto.	Impureza
Formamide	200-842-0	75-12-7	Resina.	Impureza, aditivo
Diboron trioxide	215-125-8	1303-86-2	Resistencias.	Componente de vidrio, cerámica y aleación de metal.
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Resina y tinta.	Agente de curado, componente de tinta, componente
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Productos enteros.	Solvente, componente
Tetralead trioxide sulphate	235-380-9	12202-17-4	Cerámico.	Componente
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Resina.	Componente
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Cerámico.	Componente

³ Referencia: Guía de ECHA sobre los requisitos de sustancias en los artículos.

Sustancia	CE No.	CAS No.	Artículos individuales que pueden contener la sustancia por encima del 0,1% en peso.	Solicitud
N,N-dimethylformamide	200-679-5	68-12-2	Plástico y epoxi.	Termoplástico, aditivo
Lead titanium zirconium oxide	235-727-4	12626-81-2	Cerámico.	Componente principal
Lead titanium trioxide	235-038-9	12060-00-3	Cerámica y vidrio.	Componente
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Cerámica y vidrio.	Componente, aditivo
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxi y metal.	Componente, polimerización.
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plástico y epoxi. El plástico.	Agente de soplado (cojín), componente
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Diodo emisor de luz.	Componente
Cadmium oxide	215-146-2	1306-19-0	Cerámica, vidrio y aleación de metal.	Componente
Cadmium	231-152-8	7440-43-9	Aleación de cobre.	Aditivo o impureza de aleaciones de cobre.
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]	-	-	Adhesivo.	Componente
Trixylyl phosphate	246-677-8	25155-23-1	Resinas.	Retardante de llama, componente
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Resina y caucho.	Componente
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	El plástico.	Prevención de UV, polarizadora, agente de reticulación, componente

Sustancia	CE No.	CAS No.	Artículos individuales que pueden contener la sustancia por encima del 0,1% en peso.	Solicitud
1,3-propanesultone	214-317-9	1120-71-4	Batería.	Electrolito de la batería
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	El plástico.	Impureza, subproducto, componente.
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Todo el producto.	Polimerización
Cadmium carbonate	208-168-9	513-78-0	E Poliestireno expandido.	Plastificante
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Resina	Componente
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Cerámica y epoxi.	Componente de cerámica, reacción de polimerización.
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plástico y silicio.	Aditivo, impureza, componente
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plástico y silicio.	Aditivo, impureza, componente
Ethylenediamine (EDA)	203-468-6	107-15-3	Aleación de metal.	Chapado, estabilizador, componente
Lead	231-100-4	7439-92-1	Aleación de metal, cerámica, vidrio y soldadura.	Componente, impureza
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plástico y silicio.	Aditivo, impureza, componente.
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Tinta y pintura.	Componente, impureza
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Resina.	Cable, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Resina epoxi y tinta.	Iniciador de fotos
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Resina epoxi y tinta.	Iniciador de fotos, endurecedor, agente de

Sustancia	CE No.	CAS No.	Artículos individuales que pueden contener la sustancia por encima del 0,1% en peso.	Solicitud
				reticulación, componente
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Caucho.	Componente
1-vinylimidazole	214-012-0	1072-63-5	Plástica.	Plastificante
2-methylimidazole	211-765-7	693-98-1	Resina epoxica.	Compuestos de moldeo
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Resina.	Plasticizador, Aditivo, Impureza
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Resina y tinta.	Componente, impureza
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Resina.	Plastificante
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Resina.	Plastificante
1,4-dioxane	204-661-8	123-91-1	Todo el producto.	Solvente
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Todo el producto.	Plasticizador, impureza



september 2021

REACH och Samsung Electronics produkter

Förordning nr 1907/2006 om registrering, utvärdering, godkännande och begränsning av kemikalier (REACH)¹ trädde i kraft den 1 juni 2007. Enligt REACH står företag som verkar i EU vissa skyldigheter som tillverkare, importörer och / eller nedströmsanvändare . En av de viktigaste kraven är skyldigheten att kommunicera information om ämnen i artiklar (artikel 33).

Artikel 33: Information för mottagare och kunder

Artikel 33 i REACH kräver att leverantörer informerar mottagare och svarar på konsumenternas förfrågningar om en artikel innehåller mer än 0,1% (i vikt per artikel) av något ämne om ämnen med mycket hög berörda kandidatlista² som offentliggjordes av Europeiska kemikaliebyrån (ECHA).

Samsung Electronics Co. Ltd ger artikel 33 information enligt följande. Dessutom kan alla konsumenter använda kontakterna nedan för att skicka frågor som rör REACH -förpliktelserna i Samsung Electronics produkter.

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¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:396:0001:0849:EN:PDF>

² Beträktas som kandidater för inkludering i bilaga XIV av REACH. Den senaste revisionen till kandidatlistan publicerades av Europeiska kemikaliemyndigheten den 8 juli 2021 på: <https://echa.europa.eu/candidate-list-table>

Majoriteten av produkter och förpackningar som tillverkat och / eller levereras av Samsung Electronics Co. Ltd innehåller inte ämnen på REACH SVHC kandidatlista i koncentrationer större än 0,1 viktprocent per artikel³. Det begränsade antalet artiklar i samsungprodukter som berörs anges nedan. Detta är statusen den September 2021.

Ämne	CE Nr	CAS Nr	Individuella artiklar som kan innehålla substansen över 0,1 viktprocent.	Ansökan
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Bläck	Komponent
Boric acid, Boric acid crude natural	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Plast och keramik	PVA- tvärbindningsmedel, orenhet
2-ethoxyethyl acetate	203-839-2	111-15-9	Bläck	Lösningsmedel, komponent
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TFT och epoxy	TFT-strippningsprocess, orenhet, lösningsmedel
N,N-dimethylacetamide	204-826-4	127-19-5	Hela produkter	Förorening
Formamide	200-842-0	75-12-7	Harts	Orenhet, tillsats
Diboron trioxide	215-125-8	1303-86-2	Motstånd	Komponent av glas, keramik och metalllegering
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Harts och black	Härdedel, komponent av bläck, komponent
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Hela produkter	Lösningsmedel, komponent
Tetralead trioxide sulphate	235-380-9	12202-17-4	Keramisk	Komponent
Pyrochlore, antimony lead yellow This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.	232-382-1	8012-00-8	Harts	Komponent
Orange lead (Lead tetroxide)	215-235-6	1314-41-3	Keramisk	Komponent

³ Referens: ECHA-vägledning om krav på ämnen i artiklar.

Ämne	CE Nr	CAS Nr	Individuella artiklar som kan innehålla substansen över 0,1 viktprocent.	Ansökan
N,N-dimethylformamide	200-679-5	68-12-2	Plast och epoxy	Termoplastisk tillsats
Lead titanium zirconium oxide	235-727-4	12626-81-2	Keramisk	Main Huvudkomponent
Lead titanium trioxide	235-038-9	12060-00-3	Keramisk och glas	Komponent
Lead monoxide (Lead oxide)	215-267-0	1317-36-8	Keramisk och glas	Komponent, Additiv
Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	Epoxi och metal	Komponent, polymerization
Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) (ADCA)	204-650-8	123-77-3	Plast och epoxy	Blåsmedel (kudde), component
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Ljusdiod	Komponent
Cadmium oxide	215-146-2	1306-19-0	Keramisk, glas och metalllegering	Komponent
Cadmium	231-152-8	7440-43-9	Kopparlegering	Tillsats eller orenhet av kopparlegeringar
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]	-	-	Lim	Komponent
Trixylyl phosphate	246-677-8	25155-23-1	Hartser	Flamskyddsmedel, component
Imidazolidine-2-thione (2- imidazoline-2-thiol)	202-506-9	96-54-7	Harts och gummi	Komponent
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	247-384-8	25973-55-1	Plast	Förhindra UV, polarisator, tvärbidningsmedel, component

Ämne	CE Nr	CAS Nr	Individuella artiklar som kan innehålla substansen över 0,1 viktprocent.	Ansökan
1,3-propanesultone	214-317-9	1120-71-4	Batteri	Batteri elektrolyt
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-07	Plast	Orenhet, biprodukt, komponent
P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Hela produkter	Polymerisation
Cadmium carbonate	208-168-9	513-78-0	Expanderad polystyren	Mjukningsmedel
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Harts	Komponent
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride; TMA)	209-008-0	552-30-7	Keramik och epoxy	Komponent av keramik, polymerisationsreaktion
Decamethyl cyclopentasiloxane(D5)	208-764-9	541-02-6	Plast och kisel	Additiv, orenhet, component
Dodecamethyl cyclohexasiloxane(D6)	208-762-8	540-97-6	Plast och kisel	Additiv, orenhet, component
Ethylenediamine (EDA)	203-468-6	107-15-3	Metalllegering	Plating, stabilisator, component
Lead	231-100-4	7439-92-1	Metalllegering, keramik, glas och löd	Komponent, orenhet
Octamethyl cyclotetrasiloxane(D4)	209-136-7	556-67-2	Plast och kisel	Additiv, orenhet, component
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one, 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	Bläck och färg	Komponent, orenhet
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Harts	Kabel, sensor
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Epoxiharts och black	Fotoinitiator
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Epoxiharts och black	Fotoinitiator, härdare, tvärbindningsmedel, component

Ämne	CE Nr	CAS Nr	Individuella artiklar som kan innehålla substansen över 0,1 viktprocent.	Ansökan
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Sudd	Komponent
1-vinylimidazole	214-012-0	1072-63-5	Plast	Mjukningsmedel
2-methylimidazole	211-765-7	693-98-1	Epoxiharts	Gjutningsföreningar
Diocetyl tin 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	222-883-3, 293-901-5	3648-18-8, 91648-39-4	Harts	Mjukningsmedel, tillsats, orenhet
Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-	143-24-8	Harts och black	Komponent, orenhet
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	-	Harts	Mjukningsmedel
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Harts	Mjukningsmedel
1,4-dioxane	204-661-8	123-91-1	Hela produkter	Lösningsmedel
4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Hela produkter	Mjukgörare, orenhet