

EU REACH “Candidate List” substances in articles

Duty to communicate information on substances in articles due to Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REACH Article 33 (1) obliges suppliers of articles to inform the recipient of such articles with sufficient information, available to the supplier, to allow safe use of the articles. This obligation includes, as a minimum, the provision of the names of any “Substance of Very High Concern” (SVHC) listed in the candidate list^{1,2} and which is contained in articles in a concentration above 0.1% weight by weight.

In order to fulfil this duty and be able to check if substances from the candidate list^{1,2} are contained in articles or their packaging in concentrations above 0.1% weight by weight, Sony requests this information from its suppliers.

In the following table we can provide product group specific information in relation to the candidate list^{1,2} substances in Sony products placed on the European market:

	Currently available information on Substances of Very High Concern (SVHC) identified in the REACH Candidate List ^{1,2}
Broadcast, Business and Professional Products e.g. Broadcast & Pro. A / V, Projectors, Public Displays, Video Security, Industrial Cameras, Video Conferencing, Digital Photography, Medical, IT Storage, Manufacturing Solutions	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts. DHNUP may be contained in optical composite cables for professional video cameras. EGDME may be contained in the lithium battery³. Lead titanium trioxide may be contained in vacuum fluorescent display. TBBPA may be contained in Print Circuit Board, capacitor, power supply unit. Melamine may be contained in Print Circuit Board, plastic parts, painting material. 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol may be contained in plastic parts, labels. 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one may be contained in inks, coating materials, nameplates, labels. Bis(α,α-dimethylbenzyl) peroxide may be contained in AC adaptors, Power units, packaging materials, capacitors, optical modules, torque switches, IC/Die Attach. Triphenyl Phosphate may be contained in plastic parts such as harness, power cords, AC adapter cases, connectors, resistor housings, displays, DC fans, gaskets, sheets. Octamethyltrisiloxane may be contained in Modular Jack. Tris(4-nonylphenyl, branched and linear) phosphite may be contained in Flexible Printed Circuit Board and

¹ Meeting the criteria in Article 57 and identified in accordance with Article 59 (1) of Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in a concentration above 0.1% weight by weight - as published 28th October 2008 and amended on 13 January 2010, 30 March 2010, 18 June 2010, 15 December 2010, 20 June 2011, 19 December 2011, 18 June 2012, 19 December 2012, 20 June 2013, 16 December 2013, 16 June 2014, 17 December 2014, 15 June 2015, 17 December 2015, 20 June 2016, 12 January 2017, 7 July 2017, 15 January 2018, 27 June 2018, 15 January 2019, 16 July 2019, 16 January 2020, 25 June 2020, 19 January 2021, 8 July 2021, 17 January 2022, 10 June 2022, 17 January 2023, 14 June 2023, 23 January 2024, 27 June 2024, 7 November 2024, 21 January 2025 and 25 June 2025. See webpage of the European Chemicals Agency (ECHA): <http://echa.europa.eu/>.

² Some components within the product may use application(s) exempted regarding the use of lead, from the Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast) (RoHS II Directive).

³ EGDME is not contained in lithium-ion battery or lithium-ion polymer battery in concentration above 0.1%.

	plastic parts.
TV and Home Projectors	DEHP, DBP, BBP, Dihexyl phthalate may be contained
VAIO® Computing	in cables, rubber parts, small plastic parts.
Digital Imaging Digital cameras, camcorders, photo frames, printers, e-books	EGDME may be contained in the lithium battery ³ . Lead titanium trioxide may be contained in vacuum fluorescent display.
Audio Home, car, mobile, headphones	TBBPA may be contained in Print Circuit Board, power supply unit, cables, plastic parts.
Video Blu-ray Disc, DVD, Home Cinema	Melamine may be contained in Print Circuit Board, cables, plastic parts, painting material.
Accessories e.g. Camcorder accessories, Personal audio accessories, DVD writers, PC peripherals	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide may be contained in cables, inks, paints, adhesives, Print Circuit Board, the lithium ion battery.
External Drive 2.5" External HD Drive, AIT Drive	Bis(4-chlorophenyl) sulphone may be contained in HDD. 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol may be contained in plastic parts, labels. Bumetrizole may be contained in plastic parts, labels, tapes, harness, coating materials. 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one may be contained in inks, coating materials, nameplates, labels, packaging, Printed Circuit Board, capacitors. Bis(α,α-dimethylbenzyl) peroxide may be contained in Wi-Fi modules, AC adapters, IC/Die Attach, cards, microphones, frames, capacitors, plastic parts, packaging materials, cushions, speaker dome tweeters, IC USB controller, remote commander, HDD, power supply units, power transformers, power inductors, double-sided adhesives, sealants. Triphenyl Phosphate may be contained in plastic parts such as printed circuit boards, films, gasket, connectors, static converter, touch panels, FPC, insulating sheets, USB connectors, power cords, power transformer, headphone housing, displays, speaker cables, optical lenses, AC adaptor, clamps. Octamethyltrisiloxane may be contained in Modular Jack. Tris(4-nonylphenyl, branched and linear) phosphite may be contained in Flexible Printed Circuit Board. Decamethyltetrasiloxane may be contained in microphones, thermal greases.
PlayStation®	DBMC may be contained in dual sense controllers. DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts. EGDME may be contained in the lithium battery ^{Fehler! Textmarke nicht definiert.} . Lead titanium trioxide may be contained in vacuum fluorescent display. TBBPA may be contained in Print Circuit Board, joy stick, headphones. Melamine may be contained in Print Circuit Board, cables, plastic parts, power supply unit. Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide may be contained in HDD. Bis(4-chlorophenyl) sulphone may be contained in PS4, controllers. 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one may be contained in nameplates, seals. Bis(α,α-dimethylbenzyl) peroxide may be contained in IC, cushions, spacers, power supply blocks.

	Triphenyl Phosphate may be contained in power cords, gasket, socket housings.
Internal Drive Separately sold internal bulk DVD/Blu-ray Drive, AIT Drive	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts.
Recording Media Tape, disc (Blu-ray Disc, DVD, CD, MFD)	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide may be contained in Blu-ray Disc.
Memory Device Memory Stick, SD, USB FD	No SVHC identified in the REACH Candidate List ¹ exceeding 0.1% weight by weight per article are contained.
Print Media	Bumetrizole may be contained in thermal films.
Batteries	EGDME may be contained in the lithium battery ³ .
Xperia™ smartphones and tablets	1,3-Propanesultone may be contained in the lithium ion polymer battery. Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide may be contained the lithium ion polymer battery. Triphenyl Phosphate may be contained in displays.

DEHP: Bis(2-ethylhexyl) phthalate, Di(ethylhexyl) phthalate; CAS No. 117-81-7; EC No. 204-211-0.

DBP: Dibutyl phthalate; CAS No. 84-74-2; EC No. 201-557-4.

BBP: Benzyl butyl phthalate; CAS No. 85-68-7; EC No. 201-622-7.

Dihexyl phthalate: CAS No. 84-75-3; EC No. 201-559-5.

EGDME: 1,2-dimethoxyethane, ethylene glycol dimethyl ether; CAS No. 110-71-4; EC No. 203-794-9.

DHNUP: 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters; CAS No. 68515-42-4; EC No. 271-084-6.

Lead: CAS No. 7439-92-1; EC No 231-100-4.

Lead titanium trioxide: CAS No. 12060-00-3; EC No. 235-038-9.

1,3-Propanesultone: CAS No. 1120-71-4; EC No. 214-317-9.

DBMC: 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol; CAS No. 119-47-1; EC No. 204-327-1.

TBBPA: 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol; CAS No. 79-94-7; EC No. 201-236-9.

Melamine: CAS No. 108-78-1; EC No. 203-615-4.

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide: CAS No. 75980-60-8; EC No. 278-355-8.

Bis(4-chlorophenyl) sulphone: CAS No. 80-07-9; EC No. 201-247-9.

2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol: CAS No. 3147-75-9; EC No. 221-573-5.

Bumetrizole: CAS No. 3896-11-5; EC No. 223-445-4.

2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one: CAS No. 119344-86-4; EC No. 438-340-0.

Bis(α,α-dimethylbenzyl) peroxide: CAS No 80-43-3; EC No. 201-279-3.

Triphenyl Phosphate: CAS No. 115-86-6; EC No. 204-112-2.

Octamethyltrisiloxane: CAS No. 107-51-7; EC No. 203-497-4.

Tris(4-nonylphenyl, branched and linear) phosphite: CAS No. 26523-78-4; EC No. 247-759-6.

Decamethyltetrasiloxane: CAS No. 141-62-8; EC No. 205-491-7.

Sony's approach about the use of chemicals in its role as a consumer electronics company is highlighted by "Sony's Management of Chemical Substances in Products". Since 2002 Sony has had this effective substance management system in place to ensure compliance with legal substance restrictions for products⁴. The principle of the system is that Sony's suppliers are audited periodically to confirm whether Sony's Green Partner requirements, including the Sony Standard "SS-00259", are being followed. The Sony Standard SS-00259 for general use can be found at: <http://www.sony.net/SonyInfo/procurementinfo/ss00259/index.html>. Sony purchases parts and materials only from suppliers who have passed the Green Partner requirements and consequently have been certified as Sony Green Partners.

Further information on Sony's Management of Chemical Substances in Products can be found online in our [Sustainability report](#).

⁴ Including but not limited to the EU RoHS Directive 2011/65/EU or the EU REACH Regulation (EC) No. 1907/2006 Annex XVII.