



Apple REACH SVHC Disclosure

The Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation EC 1907/2006, commonly referred to as REACH, is a European regulation on chemicals and their safe use. With the publication of candidate lists for authorization, the European Chemicals Agency identifies sets of substances of very high concern (SVHC) that manufacturers must disclose to customers if used in articles in their products above 0.1% by weight.

Based on the current version of the candidate list for authorization, Apple products contain the following SVHCs above the disclosure threshold:

SVHC	CAS Number	Application	Products
1,3-propanesultone	1120-71-4	Lithium-Ion batteries	iPhone, iPad, MacBook Air, MacBook Pro, Apple Watch, AirPods, Beats wireless headphones and speakers, iPod, Magic Mouse, Magic Trackpad, Magic Keyboard, iPhone Smart Battery Case, Apple Pencil, Apple TV Remote
1,2-dimethoxyethane	110-71-4	Coin cell batteries	iMac, Mac Pro, Mac mini, AirTag
Bumetrizole (UV-326)	3896-11-5	Plastic molded articles films, sheets and fibers	MacBook Air, iMac, iPad, Mac mini
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Fabric sleeve, display films	MacBook Air, MacBook Pro, iMac
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	Plastic molded articles films, sheets and fibers	iPhone, iPad, Macbook Pro, Macbook Air, Apple Watch, Mac mini, iMac, Magic Mouse, Magic Trackpad, Magic Keyboard, Smart Keyboard for iPad, Magic Keyboard Folio, Cables, Adapters, HomePod, HomePod mini, Earbuds, Headphones and Speakers, AirPods, AirPods Max
Bisphenol A (BPA)	80-05-7	Integrated circuits	Beats, iPhone, Watch, iPad
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (TPO)	75980-60-8	Solder resist	MacBook Pro
Lead	7439-92-1	Metal alloys (internal mechanical parts)* and high-temperature solder (inside internal electrical components)*	iPhone, iPad, MacBook Air, MacBook Pro, iMac, Mac Pro, Apple Watch, AirPods, Beats wireless headphones and speakers, HomePod, Magic Mouse, Magic Trackpad, Apple Pencil, Adapters, Cables, AirTag
Lead titanium zirconium oxide	12626-81-2	Hard disk drive shock sensor	iMac with HDD or Fusion Drive
Potassium perfluorobutane sulfonate (PFBS)	29420-49-3	Insulating plastic material	Magic Keyboard, MacBook Pro, MacBook Air, Pro Display XDR, iMac, Power Adapters, Mac Pro

*Application exempted from EU RoHS requirement

The SVHCs used in these products do not pose a safety risk to customers under normal use conditions. Please visit the [Apple Recycling Programs](#) page for more information on recycling and trade-in options in your region.

As of November 2024, Apple products containing SVHCs above the disclosure threshold of 0.1% by weight in articles are submitted to ECHA's SCIP database. Information about Apple products that contain a REACH Candidate List substance > 0.1% in any article is publicly available on the SCIP database at <https://echa.europa.eu/scip>.

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