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## 9 Hazardous Substances Added to the 28th SVHC Candidate List

As a major focus of REACH regulation, the candidate list of Substances of Very High Concern (SVHC) has undergone several updates since the entry into force of REACH regulation.

On January 17, 2023, the European Chemicals Agency (ECHA) [announced](#) the addition of nine substances to the [Candidate List](#) of substances of very high concern (SVHC). This inclusion expands the number of entries on the Candidate List from 224 to 233.

If an article contains any SVHC (concentration above 0.1%(w/w)) included in the Candidate List, the EU manufacturer or importer shall fulfil the obligations of notification and provide sufficient information on request to consumers within 45 days upon the receipt of this request. Any articles imported to EU with >0.1% SVHC Candidate List substance shall submit a notification to the SCIP Database as per the Waste Framework Directive amendment (EU) 2018/851. Suppliers must notify ECHA about the SVHC in products if the concentration of a SVHC is above 0.1% (w/w) and the import quantity is above 1 tonne / year. Suppliers of substance or mixture have to provide a safety data sheet (SDS) to their downstream users.

**Table 1. Newly-added SVHC Candidate List Substances and their common applications**

SUBSTANCES	EC No. / CAS No.	POTENTIAL APPLICATIONS
<b>1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene] (BTBPE)</b>	253-692-3 / 37853-59-1	Additive flame retardant (the applications known are in electric and electronic equipment, such as computers, televisions, and mobile cell phones)
<b>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Tetrabromobisphenol A (TBBPA))</b>	201-236-9 / 79-94-7	Brominated flame retardant commonly used in epoxy coated circuit boards, PCB, etc.
<b>4,4'-sulphonyldiphenol (Bisphenol S (BPS))</b>	201-250-5 / 80-09-10	Manufacture of thermal paper, use as monomer for manufacture of PES, use of Syntants for leather tanning production
<b>Barium diboron tetraoxide</b>	237-222-4 / 13701-59-2	Formulation in paint, coating of PVC truck foil and coating of electrical wire
<b>Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof (TBPH)</b>	247-426-5 / 26040-51-7	Manufacture of rubber products, manufacture of plastics products, including compounding and conversion and building and construction work, used as a flame retardant and as a plasticizer for flexible polyvinylchloride and for use in wire and cable insulation, film and sheeting, carpet backing, coated fabrics, wall coverings and adhesives

SUBSTANCES	EC No. / CAS No.	POTENTIAL APPLICATIONS
<b>Isobutyl 4-hydroxybenzoate (Isobutylparaben (IBP))</b>	224-208-8 / 4247-02-3	Coating products, fillers, inks, modeling clay, plasters, putties, and toners
<b>Melamine (1,3,5-triazine-2,4,6-triamine)</b>	203-615-4 / 108-78-1	Formaldehyde-based resins for: <ul style="list-style-type: none"> <li>• Wood-based panels</li> <li>• Melamine-impregnated paper and foils for surface-coating panels</li> <li>• Use as crosslinking agent in coatings for foams and consumer goods such as table ware</li> </ul>
<b>Perfluoroheptanoic acid and its salts (PFHpA and its salts)</b>  <b>(Sodium perfluoroheptanoate / potassium perfluoroheptanoate / Ammonium perfluoroheptanoate / Perfluoroheptanoic acid)</b>	243-518-4 / 20109-59-5  -- / 21049-36-5  228-098-2 / 6130-43-4  206-798-9 / 375-85-9	Stain, oil / grease or water repellent
<b>Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine</b>	473-390-7 / --	Chemical production, laboratory reagent

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