

Group of managed substances at the Topcon Group

(Attachment-2)

Management standards

A: Prohibited Substances

- Prohibited substances (A) are ones which must not be contained in products, and their uses are prohibited in principle (except when there is an exemption based on laws and regulations).
- If each regulation has a threshold, follow those conditions.

B: Managed Substances

- Managed substances (B) are ones which conform to "JAMP declarable substances" given by "Joint Article Management Promotion-consortium" (JAMP)*3. Although it is not limited to contain these substances in products intentionally, whether any product contains these substances or not should be understood and reported and, if they are contained, the amount of the contained substances should also be understood and reported.

As of August 1, 2020

A: Prohibited Substances

No.	Substances	Threshold of concentration	Major applicable laws and regulations					
			Chemical Substances Control Law	EU-RoHS	POPs	REACH SVHC	REACH Attachment-17	IEC 62474 Reported substance
A 0 1	Asbestos	Prohibition of intentional addition					○	○
A 0 2	Polybrominated biphenyls (PBBs)	Prohibition of intentional addition	○		○		○	○
A 0 3	Cadmium and cadmium compounds	Conditional prohibition		○			○	○
A 0 4	Lead and lead compounds	Conditional prohibition		○			○	○
A 0 5	Mercury and mercury compounds	Conditional prohibition		○			○	○
A 0 6	Hexavalent chromium compounds	Conditional prohibition		○			○	○
A 0 7	Polybrominated diphenylethers (PBDEs)	Conditional prohibition		○				
A 0 8	Polybrominated biphenyls (PBBs)	Conditional prohibition		○			○	○
A 0 9	PFOS	Prohibition of intentional addition	○		○			○
A 1 0	Polychlorinated naphthalenes (PCN)	Prohibition of intentional addition	○		○			
A 1 1	Arsenic and Arsenic compounds	Prohibition of intentional addition				○	○	○
A 1 2	Organotin compound	Prohibition of intentional addition	○			○	○	○
A 1 3	Ozone depleting substances (ODS)	Prohibition of intentional addition						
A 1 4	Short-chain chlorinated paraffins	Prohibition of intentional addition	○		○	○		○
A 1 5	Polychlorinated terphenyls (PCT)	Prohibition of intentional addition					○	○
A 1 6	Dimethyl fumarate (DMF)	Prohibition of intentional addition					○	
A 1 7	Bis phthalate (2-ethylhexyl) (DEHP)	Conditional prohibition		○				
A 1 8	Dibutyl phthalate (DBP)	Conditional prohibition		○				
A 1 9	Butyl benzyl phthalate (BBP)	Conditional prohibition		○				
A 2 0	Diisobutyl phthalate (DIBP)	Conditional prohibition		○				
A 2 1	Hexabromo-cyclododecane (HBCD/HBCDD)	Prohibition of intentional addition	○		○	○		○
A 2 2	Azo dyes and pigments that form specific amines	Prohibition of intentional addition					○	○
A 2 3	Cobalt chloride	Prohibition of intentional addition				○	○	○
A 2 4	2-(2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert-butylphenol	Prohibition of intentional addition	○		○			
A 2 5	PFOA (Perfluorooctanoic acid) /PFOA Related substances	Prohibition of intentional addition	○		○		○	

B: Managed Substances

No.	Substances	Threshold of concentration	Major applicable laws and regulations					
			Chemical Substances Control Law	EU-RoHS	POPs	REACH SVHC	REACH Attachment-17	IEC 62474 Reported substance
B 0 1	Antimony and its compounds (Including alloy)						○	
B 0 2	Beryllium and its compounds (Including alloy)							
B 0 3	Brominated flame retardants (other than PBBs, PBDEs and HBCDDs)							
B 0 4	Nickel and its compounds						○	
B 0 5	Polyvinylchloride (PVC) /PVC Copolymer							
B 0 6	Selenium and its compounds (Including alloy)							
B 0 7	Perchlorates							○
B 0 8	Radioactive substances							
B 0 9	Chlorine flame retardant							
B 1 0	Formaldehyde							○
B 1 1	Fluorinated greenhouse gas							○
B 1 2	ANNEX X VII of EU REACH Regulations (Restricted substances)						○	
B 1 3	REACH/SVHC (Annex XIV (Approved substances) + Candidate substances for authorization)					○		
B 1 4	IEC62474							○
B 1 5	JAMP Controlled substances (chemSHERPA)							