

CAMELBAK

CHEMICALS MANAGEMENT POLICY & RESTRICTED SUBSTANCES LIST (RSL)

SEPTEMBER 2021



2000 South McDowell Blvd., Suite 200
Petaluma, CA 94954

Dear Partners,

CamelBak believes that it is our responsibility to create the safest, best-performing products possible for our customers and factory workers around the globe. Our Restricted Substances List (RSL) specifies the chemical restrictions applicable to substances and materials used in manufacturing CamelBak materials, components, products and packaging.

As a bluesign® systems partner, CamelBak follows bluesign's® RSL, which is based on the bluesign® technologies AG chemicals management system. In addition, the below RSL document reflects CamelBak's extended requirements and testing protocol for all applicable CamelBak products. bluesign's® most current RSL is available for review and downloading on their website <https://www.bluesign.com/en/business/downloads>

This RSL also outlines the responsibilities of suppliers to CamelBak and applies to any materials used in production or incorporated into a CamelBak product, whether specified by our product team or selected by our factories.

We expect any supplier to carefully review these documents, and to implement or maintain management processes to comply with these requirements, and to communicate this information to internal teams and business partners. CamelBak reserves the right to periodically audit compliance to these requirements. The latest version of this document is posted on our website. We expect all our suppliers to periodically check and assure they and their suppliers' are in compliance to any updates or revisions accordingly.

Thank you for your continuing partnership and your cooperation in ensuring that all CamelBak products meet the high expectations of our consumers and customers.

Sincerely,

Wesley Watson
Director of Sourcing
CamelBak Products, LLC

Marissa Strano
Material Innovations & Sustainability Manager
CamelBak Products, LLC

Priority Chemicals

While there are many chemicals that are referenced in our Restricted Substances List (RSL) that are regulated by the appropriate governments and standards organizations, we feel that certain high priority chemicals should be treated with even more caution. We have decided to voluntarily eliminate the following chemicals from our products or factories even though this exceeds any regulatory requirements.

Bisphenols – BPA / BPS / BPF

Camelbak prohibits the use of any bisphenol substance in our products or in the factories that manufacture our products. We test our products regularly to ensure that these chemicals are never in our products.

Polyvinyl chloride - PVC

CamelBak has eliminated the use of PVC from all products because of the evidence for environmental damage and human health risks from manufacturing the plastic.

Long-chain perfluoroalkyl substances - PFAS or PFC

CamelBak prohibits the use of water repellent treatments (DWRs) made from long-chain perfluoroalkyl substances. These substances include PFOS, PFOA, and others with 8 or more Carbon atoms (also known collectively as C8). We are working towards chemistries and constructions that eliminate the need for fluorinated compounds in our products.

CamelBak Restricted Substances List (RSL)

This RSL reflects extended requirements in addition to the current bluesign® Restricted Substances List for all applicable CamelBak products
CamelBak RSL Document Version V3.08162021

PLASTICS

RESTRICTED SUBSTANCE	LIMIT	MEASURED AS CONTENT IN PLASTIC OR EXTRACTED IN SOLVENT	REGULATION/STANDARD	TESTED MATERIAL TYPE	TEST METHOD
Acrylonitrile	0.01 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	ABS in food contact	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Aluminum	1 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"
Antimony	15 ppm	extract in solvent	CamelBak standard (not a regulatory obligation), tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Arsenic	10 ppm	extract in solvent	CamelBak standard (not a regulatory obligation), tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Barium	1 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"
BBP (benzylbutyl phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
BPA (bisphenol A)	1) 0.05 ppm 2) 0.01 ppm	1) extract in solvent 2) content in plastic	1) EU 2018-213 (amendment to EU food contact plastics regulation) 2) CamelBak standard (not a regulatory obligation)	1) Food contact plastics only 2) Non-food-contact plastics	1) Limit as specified in EU 2018-213, "On the Use of BPA in Varnishes and Food Contact Plastic materials", Analytical method as specified in articles 17 and 18 of EU 10/2011. 2) Limit as specified by CamelBak. Analytical method is in-house method as follows: Extraction by organic solvent, followed by purification, followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.
BPF (bisphenol F)	0.1 ppm	content in plastic	CamelBak standard (not a regulatory obligation)	all plastics	Limit as specified by CamelBak. Analytical method is in-house method as follows: Extraction by organic solvent, followed by purification, followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.
BPS (bisphenol S)	0.1 ppm	content in plastic	CamelBak standard (not a regulatory obligation)	all plastics	Limit as specified by CamelBak. Analytical method is in-house method as follows: Extraction by organic solvent, followed by purification, followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.
Cadmium	20 ppm	extract in solvent	CamelBak standard (not a regulatory obligation), tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Chloroform	50 ppm	extract in solvent	US FDA 21 CFR Part 177.1210, "Closures with Sealing Gaskets for Food Containers"	gaskets only	Limit as specified in US FDA 21 CFR Part 177.1210, "Closures with sealing gaskets for food containers", Analytical method as specified in 21 CFR Part 175.300, Section (e), "Analytical Methods".
Chromium	10 ppm	extract in solvent	CamelBak standard (not a regulatory obligation), tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Cobalt	0.05 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"
Copper	5 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"
DBP (dibutyl phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
DEHP (di-(2-ethylhexyl) phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
DIDP (di-iso-decyl phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
DINP (di-iso-nonyl phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
DNOP (di-n-octyl phthalate)	0.1%	content in plastic	Phthalates content requirement for 6 restricted phthalate plasticizers in EC 1907-2006, "REACH" (Registration, Evaluation, Authorisation and Restriction of Chemicals)	all plastics	Limit as specified in EC 1907-2006, "REACH", Annex XVII, paragraphs 51 and 52, Analytical method as specified in EN 14372:2004, "Gas Chromatographic-Mass Spectrometric (GC-MS) analysis."
Iron	48 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"
Lead	25 ppm	extract in solvent	CamelBak standard (not a regulatory obligation), tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2, "Child Use Drinking Equipment" section 4.4, "Migration of Certain Elements", Table 2, Analytical method as specified in EN 71-3 Section 8, "Methods of Analysis".
Lead	100 ppm	content in plastic	US CPSIA	plastics in childrens products	Limit as specified in US CPSIA 2008, Title 1, "Childrens Product Safety" Section 101, "Childrens Products Containing Lead", Analytical method as specified in CPSA Test Method CPSC-CH-E1002-08.3, "Total Lead (Pb) in Non-Metal Children's Products"
Lithium	0.6 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011, "Plastic Mats and Articles in Contact with Food", Annex 1, "Substances", Analytical method as specified in EN 13130-1, "Guide to test methods for the specific migration of substances from plastics to food"

Manganese	0.6 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011. "Plastic Mats and Articles in Contact with Food". Annex I. "Substances". Analytical method as specified in EN 13130-1. "Guide to test methods for the specific migration of substances from plastics to food"
Mercury	10 ppm	extract in solvent	CamelBak standard (not a regulatory obligation). tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2. "Child Use Drinking Equipment" section 4.4. "Migration of Certain Elements". Table 2. Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Nickel	0.02 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011. "Plastic Mats and Articles in Contact with Food". Annex I. "Substances". Analytical method as specified in EN 13130-1. "Guide to test methods for the specific migration of substances from plastics to food"
PAA's (primary aromatic amines)	0.01 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011. "Plastic Mats and Articles in Contact with Food". Annex I. "Substances". Analytical method as specified in EN 13130-1. "Guide to test methods for the specific migration of substances from plastics to food"
Selenium	100 ppm	extract in solvent	CamelBak standard (not a regulatory obligation). tested per EN 14350-2	all plastics	Limit as specified in EN 14350-2. "Child Use Drinking Equipment" section 4.4. "Migration of Certain Elements". Table 2. Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Zinc	5 ppm	extract in solvent	EU 10/2011 (European regulation governing plastic materials and articles in contact with food)	food contact plastics only	Limit as specified in EN 10/2011. "Plastic Mats and Articles in Contact with Food". Annex I. "Substances". Analytical method as specified in EN 13130-1. "Guide to test methods for the specific migration of substances from plastics to food"

PAINTS AND INKS

RESTRICTED SUBSTANCE	LIMIT	MEASURED AS CONTENT IN PLASTIC OR EXTRACTED IN SOLVENT	REGULATION/STANDARD	TESTED MATERIAL TYPE	TEST METHOD
Aluminum	1406 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Antimony	11.3 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Arsenic	0.9 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Barium	375 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Boron	300 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Cadmium	0.3 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Chromium III	9.4 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Chromium IV	0.005 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Cobalt	2.6 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Copper	156 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Lead	3.4 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Lead	90 ppm	content In ink/paint	US Consumer Product Safety Improvement Act of 2008	paints/inks on children's products	Limit as specified in US CPSC 21 CFR Part 1303.1. "Lead Ban in Paint". Analytical method as specified in CPSA Test Method CPSC-CH-E1003-09.1. "Total Lead in Paint and Surface Coatings"
Manganese	300 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Mercury	1.9 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Nickel	18.8 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Organic Tin	0.2 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Selenium	9.4 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Strontium	1125 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Tin	3750 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".
Zinc	938 ppm	content In ink/paint	CamelBak standard (not a regulatory obligation). tested per EN 71.3	all paints/inks	Limit as specified in EN 71-3. "Safety of Toys - Migration of Certain Elements". Section 4. "Requirements". Analytical method as specified in EN 71-3 Section 8. "Methods of Analysis".

REGULATIONS

FOOD CONTACT PLASTICS	EU 10/2011 (and silicone)
FOOD CONTACT PLASTICS	FDA 21 CFR 177
ALL PLASTICS	REACH phthalates
ALL PLASTICS	EN 14350-2
ALL PLASTICS	BPA/BPF/BPS content
INKS/PAINTS	EN 71-3
STAINLESS STEEL	Germany LFGB Section 30