

Textile Product Categories

Unwanted Chemicals

The primary focus for these types of chemicals are those that are carcinogenic, mutagenic, or cause reproductive issues when in contact with workers, guests or the communities.

1) Restricted Substance List (RSL)

I. Scope

- All Owned Brand Products to Target for textile products.
- In accordance with our chemical policy Target is publishing our RSL for Textile products.

This includes the following product:

- Clothing (entire garment/textile product including trims)
- Non-clothing (furniture, bedding, footwear, umbrellas, etc.) fabric only

II. RSL Test Matrix (Chemical names, CAS#, Limits, Test Methods)

- The following table outlines the restricted chemicals, their limits as well as the required test methods. In order to be in compliance with Target's RSL requirements, restricted substances must not exceed the RSL limits.
- Target will continue to update the RSL on an ongoing basis.

Phthalates

Chemical Name	CAS #	Limit Value (ppm)	Test Methods
Diisopentyl phthalate (DIPP)	605-50-5	500 ppm each Total: 1000 ppm	For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
N-pentyl-isopentylphthalate	776297-69-9		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di(ethylhexyl) phthalate (DEHP)	117-81-7		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-n-octyl phthalate (DNOP)	117-84-0		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-iso-decyl phthalate (DIDP)	26761-40-0		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-isononyl phthalate (DINP)	28553-12-0		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)

Di-n-hexyl phthalate (DnHP)	84-75-3		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Dibutyl phthalate (DBP)	84-74-2		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Butyl benzyl phthalate (BBP)	85-68-7		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Dinonyl phthalate (DNP)	84-76-4		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Diethyl phthalate (DEP)	84-66-2		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-n-propyl phthalate (DPRP)	131-16-8		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-isobutyl phthalate (DIBP)	84-69-5		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-cyclohexyl phthalate (DCHP)	84-61-7		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
Di-iso-octyl phthalate (DIOP)	27554-26-3		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6		For CPSIA Regulated Products: CPSC-CH-C-1001-09.4 For Non-CPSIA Regulated Products: CPSC-CH-C-1001-09.4 <u>or</u> ISO 14389 (GS-MS)

Heavy Metals

Chemical Name	CAS#	Limit Value		Test Method	
		Extractable (PPM)	Total (PPM)	Extractable	Total
Antimony	7440-36-0	30	NA	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM	NA

				F963. All Others: EN-16711-2	
Arsenic	7440-38-2	0.2	100	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	Microwave digestion with H2O2/HNO3 Measurement: EN ISO 17294-2:2014 (ICP-MS) or CPSC-CH-E1001-08.3
Barium	7440-39-3	1000	NA	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	NA
Cadmium	7440-43-9	0.1	40	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	Microwave digestion with H2O2/HNO3 Measurement: EN ISO 17294-2:2014 (ICP-MS) or CPSC-CH-E1001-08.3
Chromium (Cr)	7440-47-3	Babies and children under 3 yrs. old: 2 ppm. All Others: 200ppm	NA	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	NA
Chromium VI	18540-29-9	Knitted textiles for babies: 0.5 ppm Leather: 3 ppm	NA	Non Leather: EN-16711-2 or ASTM F963 Natural Leather, Coated Natural Leather, Bonded Natural Leather: EN17075-1:2015	NA
Cobalt	7440-48-4	1	NA	EN-16711-2 or ASTM F963	NA
Copper	7440-50-8	25	NA	EN-16711-2 or ASTM F963	NA
Lead	7439-92-1	Adults and children: 1 ppm Babies and children under 3 yrs. old: 0.2 ppm	90	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	For CPSIA Regulated Products and Children's Products:, CPSC-CH-E1001- 08.3, CPSC-CH-E1002-08.3,CPSC-CH-E1003-09.1 All

					Others: Microwave digestion with H2O2/HNO3 Measurement: EN ISO 17294-2:2014 (ICP-MS) OR CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3, CPSC-CH-E1003-09.1
Mercury	7439-97-6	0.02	0.5	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	Microwave digestion with H2O2/HNO3 Measurement: EN ISO 17294-2:2014 (ICP-MS) or CPSC-CH-E1001-08.3
Nickel	7440-02-0	1 ppm Metal parts Release: 0.5 ug/cm2/week	NA	Extractable: EN-16711-2 or ASTM F963 Metal Parts Release: EN 1811	NA
Selenium	7782-49-2	500	NA	For CPSIA Regulated Products and Children's Products: Must be tested to ASTM F963. All Others: EN-16711-2	NA

PFOA/PFOS – Apparel only, owned brand and exclusive licensees to Target – Effective date August 2018

Chemical Name	CAS#	Limit Value (ppm)	Test Method
PFOA	335-67-1	1ug/m2	CEN/TS 15968
PFOS	<u>1763-23-1</u>	1ug/m2	CEN/TS 15968

- i. Effective date
 - Product manufactured on or after January 1, 2020
- ii. Failure to comply with RSL
 - If we identify an issue after the effective date, we will remove the product from sales channels.

2) Manufacturing Restricted Substance List (MRSL)

(I) Overview

As part of our commitment towards better chemical management, we joined Zero Discharge of Hazardous Chemicals (ZDHC) in 2018. In doing so, we have adopted ZDHC MRSL, a textile industry standard to prohibit unwanted chemicals being used in the manufacturing of our products.

(II) Scope

All facilities producing Owned Brand Products and Exclusive Licensees to Target.

This includes the following product:

- Clothing (entire garment including trims)
- Non-clothing (furniture, bedding, footwear, umbrellas, etc.) fabric only

The types of facilities this includes is the following.

- Clothing, non-clothing – fabric: dyeing/finishing forward

(III) The [ZDHC MRSL](#)

(IV) **Effective Date**

As of 2018, Target adopted the ZDHC MRSL. It is expected that our suppliers comply with these requirements.