

New OEKO-TEX® Regulations 2022



MADE IN GREEN Standard Changes - January 2022

4.3.2 Connection

No more annual supplier reconfirmation (component requests still to be reconfirmed for label renewal, see 4.3.3.3 + 5.4)

4.3.3 Article Definition

Article number shall be specified

5.3 OEKO-TEX® Quality Assurance

Sentence about control testing included

4.3.3.2 MADE IN GREEN Product ID

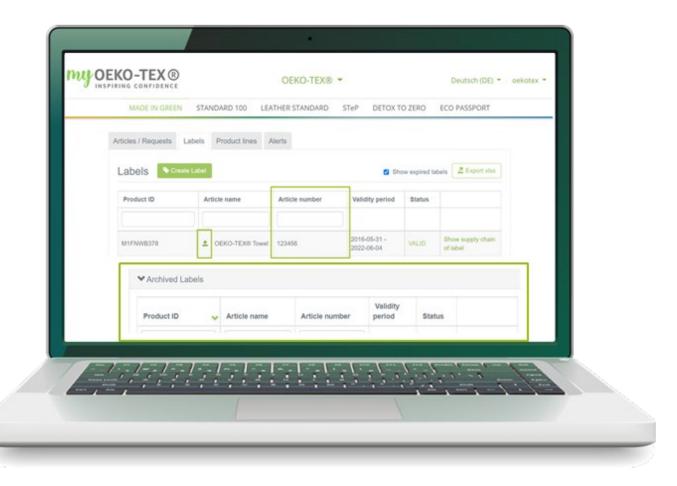
The term "recycled" or "organic" shall only be used in the article name &/or description of a MADE IN GREEN labeled product, if the article is covered in a STANDARD 100 Recycled Materials/Organic Cotton certificate

myOEKO-TEX®

Better Navigation

- Reworked links between articles, labels & component requests
- Article & component numbers specified to facilitate navigation
- Archive function for articles, labels & suppliers
- Tool tips







New Substances STANDARD 100, LEATHER, STeP

Bisphenol B

CAS: 77-40-7

- Limit value 1,000 mg/kg
- Identified to be endocrine disrupting & listed on ECHA SVHC list

Colorants with ≥ 0.1% Michlers Ketone/Base:

• 4.4'- (dimethylamino)- CAS: 561-41-1 4''-(methylamino)trityl alcohol

• C.I. Solvent Blue 4 CAS: 6786-83-0

- Limit value 1,000 mg/kg
- Michlers ketone/base is carcinogenic & suspected to be mutagenic
- On ECHAs SVHC list



Under Observation - Process Preservative Agents STANDARD 100

2-Octylisothiazol-3(2H)-on (OIT)

4-Chloro-3-methylphenol (CMC/CMK)

CAS: 1478-61-1

CAS: 59-50-7

[(1,3-benzothiazol-2-yl)sulfanyl] methyl thiocyanate

CAS: 21564-17-0

- Classified by ECHA as skin sensitizers
- To harmonize with the LEATHER STANDARD & ECO PASSPORT by OEKO-TEX®



Under Observation - Chemical Residues STANDARD 100, LEATHER

Methylisothiazolinone (MIT)

• Substance is skin sensitizing

Bisphenol F & Bisphenol S

• Likely toxic for reproduction, endocrine disrupting

CAS: 2682-20-4

CAS: 1478-61-1

CAS: 620-92-8; 80-09-1

• ECHA & German authorities evaluating potential regulations

Bisphenol AF

• Alignment with AFIRM

- Classified by ECHA as skin sensitizers
- To harmonize with the LEATHER STANDARD & ECO PASSPORT by OEKO-TEX®

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Under Observation - Process Preservatives STANDARD 100, LEATHER

CAS: 149-30-4

2-Mercaptobenzothiazol (2-MBT)

Sensitizer



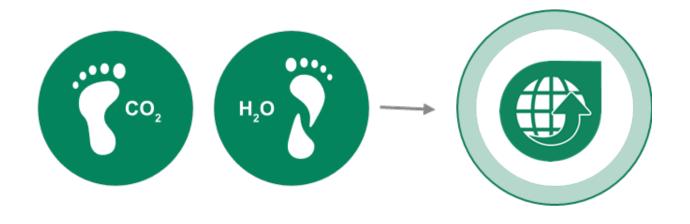
Under ObservationDyestuffsSTANDARD 100, LEATHER

Disperse Red 60 / Disperse Blue 60

• Being discussed by Swedish authorities

CAS: 12223-37-9 / 17418-58-5; 12217-80-0

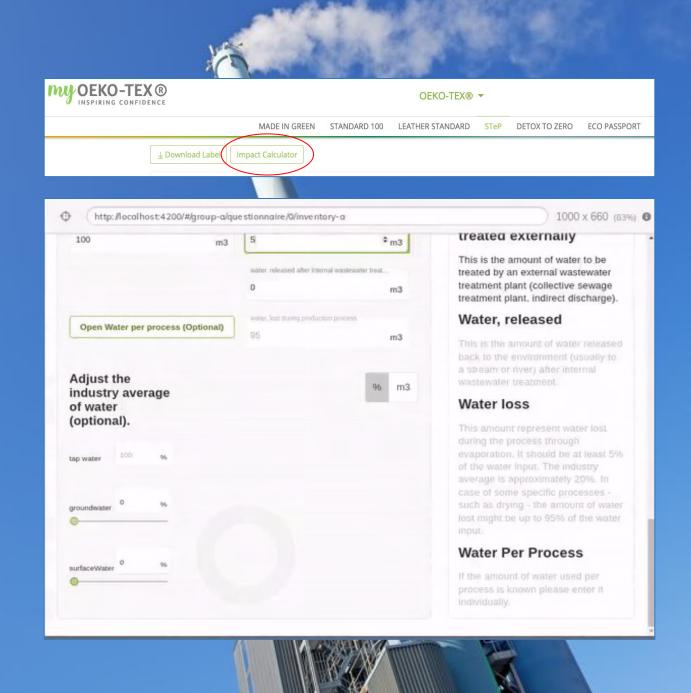
Impact Calculator Carbon & Water Footprint

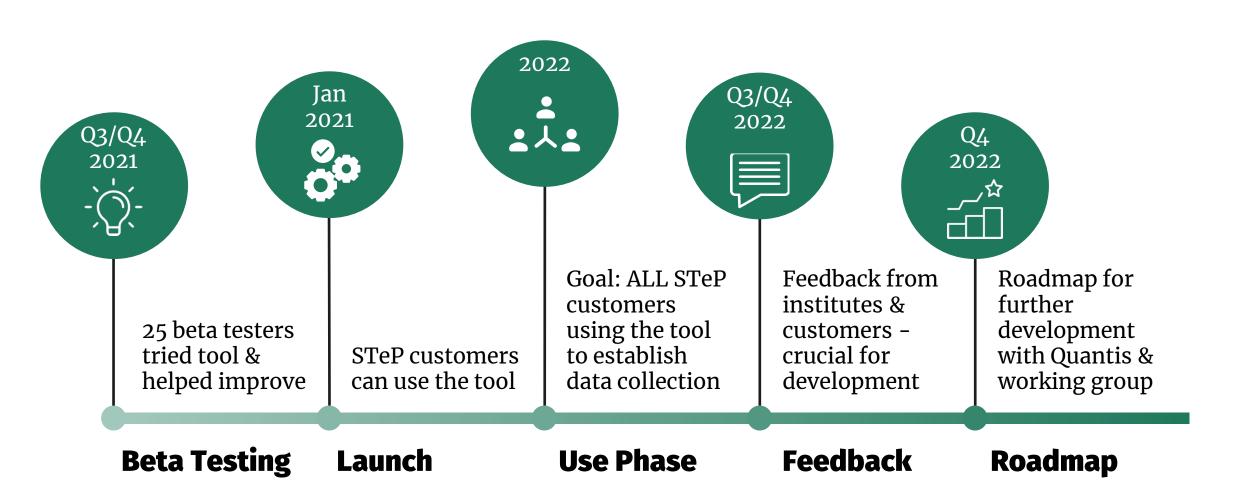


Impact Calculator

Implementation Status

- January 10:
 STeP customers can use the tool by logging into myOEKO-TEX®
 - STeP assessment
- April 1: STeP customers can access the tool through the customerspecific STeP assessment
- Future:
 OEKO-TEX® may evaluate
 access for customers who are
 NOT STeP certified





Carbon & Water Footprint Tool \rightarrow STeP



Parameter		Minimum	Advanced / Fortschrittlich	Excellent / Hervorragend	
pH-value / pH-Wert		6.0 - 9.0	6.5 - 8.5	7.0 - 8.0	
Max. effluent temperature / Maximale Abwassertemperatur ¹		°C	Δ15 / max. 35	Δ10 or 30	Δ5 or 25
Colour / spectral absorption coefficient at Farbe/Spektralabsorptionskoeffizient bei	436 nm	m-1	7	5	2
	525 nm	m-1	5	3	1
	620 nm	m-1	3	2	1
Chemical oxygen demand COD (as O2) / Chemischer Sauerstoffbedarf CSB	mg/l	150	80	40	
Biochemical oxygen demand BOD5 (as 02) / Biochemischer Sauerstoffbedarf BSB5 (als 02)		mg/l	30	15	5
Adsorbable organic halogens AOX (as Cl) / Adsorbierbare organisch gebundene Halogene AOX (als Cl)		mg/l	1.00	0.50	0.1
Ammonia as NH4-N / Ammoniak als NH4-N	mg/l	10	1	0.5	
Total-N / Stickstoff gesamt		mg/l	20	10	5
Phosphor total as P / Phosphor gesamt als P		mg/l	3	0.5	0.1
Total suspended solids / Gesamt suspendierte Feststoffe		mg/l	50	25	10
Oil and Grease / Öle und Fette		mg/l	10	2	0.5
Phenol-Index ²		mg/l	0.5	0.01	0.001
Coliform / Coliforme Bakterien		[bacteria/100ml]	400	100	25
Persistent foam / Persistenter Schaum		mg/l	not visible	not visible	not visible
Cyanide / Zyanid		mg/l	0.2	0.1	0.05
Sulphides (as S2) / Sulfide (als S2)		mg/l	0.5	0.25	0.1
Sulfite / Sulfit		mg/l	2	1	0.2

Substance	CAS No.	MRSL	Wastewater		Sludge	
			Limit Values [µg/I]	Reporting Limit [µg/I]	Limit Values [mg/kg]	Reporting Limit [mg/kg]
Antimony (Sb)	7440-36-0 et al.	х	100	1	testing required	2
Silver (Ag)	7440-22-4 et al.	х	100	1	testing required	2



Wastewater Testing STeP

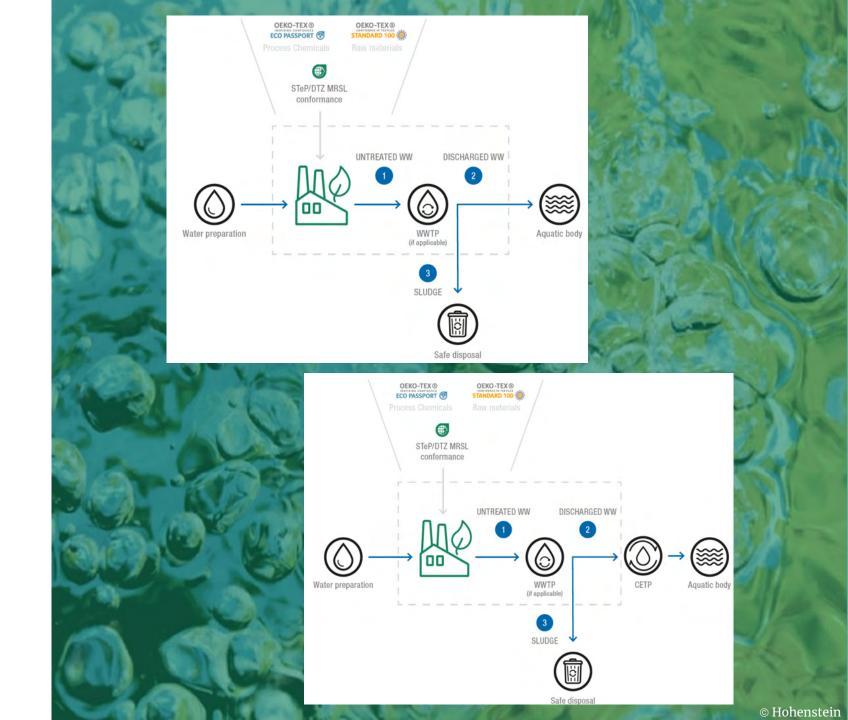
ZDHC Alignment

- To ease customer process & work toward industry alignment
- New Limit Values by 2023
 More stringent limit values for facilities with direct discharge
- ZDHC Supplier to Zero Programme
 Foundational Level acknowledgement & token from ZDHC to
 enter the Gateway

Wastewater Sampling Points STeP

ZDHC Alignment

- To ease customer process & work toward industry alignment
- Sampling points defined in standard section 5.1.1/5.2.1.
- Sampling points changed for facilities with direct & indirect discharge
- Testing parameters remain the same



New MRSL Compounds STeP

MRSL Group: 4. Hazardous Colorants

If Michlers Ketone/Base is present more than \geq 0.1 %:

- C.I. Solvent Blue 4 (CAS 6786–83–0) no testing required for wastewater
- C.I. Solvent Violet 8 (CAS 561-41-1) no testing required for wastewater
- C.I. Basic Violet 3 (CAS 548-62-90) testing required for wastewater

Reason: Substances on SVHC list & might be found in textile & leather chemicals

New MRSL Compounds STeP

MRSL Group: 13. Surfactants, Wetting Agents (other than APEO's)

• EDTA (CAS 60-00-4) changed to "various"

Reason: More CAS numbers can be represented

MRSL Group: 14. Other Substances

• Bisphenol B (P) (CAS 77-40-7)

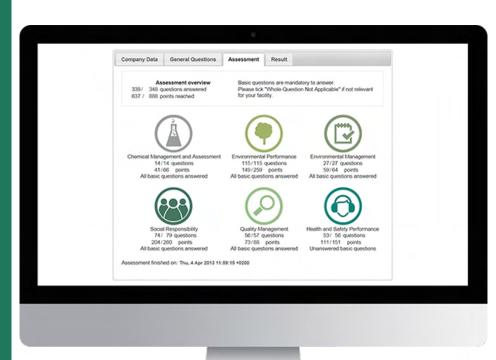
Reason: Substances on SVHC list & might be found in textile & leather chemicals

MRSL Group: 14. Other Substances

• Footnote added to titanium dioxide (TiO2) for particles of respirable size (CAS 1317-70-0; 1317-80-2) Particles of respirable size are prevalent if \geq 1% w/w of particles within the powder have a size of < 10 μ m

Assessment Updated STeP

- To ease the process & enable smaller companies to achieve certification in a targeted manner
- Remove redundant questions with special focus on the STeP Modules
- Focus on questions/topics relevant to specific processes
- Reductions up to 25 % for specific process categories
- 6 new questions added:
 - Carbon disulfide (C2S) & its emissions (viscose producers)
 - Buying Guide and OAR (Open Apparel Registry)
 - Equivalent of environmental impact analysis introduced for energy



New Substances ECO PASSPORT Annex 4 & 6

Bisphenol B

• Threshold value: 1,000 mg/kg

Colorants with > 0.1% Michlers Ketone/Base

4.4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol

• Threshold value: 1,000 mg/kg

Reason: Substances on SVHC list & might be found in textile & leather chemicals

CAS: 77-40-7

CAS: 561-41-1

New Substances ECO PASSPORT Annex 6

TNPP (Tris(4-nonylphenyl, branched and linear) phosphite with 0.1% w/w of 4-nonylphenol, branched & linear)

Chemical residues section

Reason: substance had already been added to STANDARD 100 and LEATHER STANDARD

Under Observation ECO PASSPORT Annex 6

Bisphenols

• Bisphenol F CAS: 620-92-8

• Bisphenol S CAS: 80-09-1

• Bisphenol AF CAS: 1478-61-1

Process Preservative Agents

Methylisothiazolinone (MIT)

CAS: 1478-61-1

Under Observation ECO PASSPORT Annex 6

Colorants

• Disperse Red 60 / CAS: 12223-37-9 / Disperse Blue 60 17418-58-5; 12217-80-0

Other Chemical Residues

• 2-Mercaptobenzothiazol (2-MBT) CAS: 149-30-4

New Threshold ECO PASSPORT Annex 4

DecaBDE (Decabromodiphenylether)

• Threshold value: 50 mg/ kg \rightarrow 10 mg/kg

CAS: 1163-19-5

RESPONSIBLE BUSINESS by OEKO-TEX®

New standard coming mid-2022

Upcoming Legislation



New EU Due Diligence Law + German Supply Chain Act (starting Jan. 2023)

Requires businesses to take legal responsibility for:

&

Human Rights

Environment

in their global

00

Supply Chains

RESPONSIBLE BUSINESS by OEKO-TEX®



Certification

for brands, retailers, traders



3rd-party proof

of human rights & environmental due diligence legal compliance



throughout **global** textile & leather **supply chains**



Enables public **communication** & reporting

Responsible Business Requirements

Embed Responsible
Business **practices** into
company policy &
management systems

Map supply chains

 key for all due diligence activities (myOEKO-TEX® mapping tool) Integrate actions & measures to avoid risks & remedy impacts

Identify & prioritize risks in the supply chain

Continuously monitor measures & adjust where necessary

Implement company or 3rd party grievance mechanism

Publicly communicate to all stakeholders on due diligence process, including risk analysis, complaints & actions to address potential & actual adverse impacts

RESPONSIBLE BUSINESS by OEKO-TEX®

Certification Process



Standard



Self-Assessment Tool



Implementation Manual



Certificate

	Product Labeling		Management Certification	Communication of RESPONSIBLE BUSINESS by OEKO-TEX®
Option A	MADE IN GREEN by OEKO-TEX®	+	RESPONSIBLE BUSINESS by OEKO-TEX®	Through business communication
				Through product with MADE IN GREEN by OEKO-TEX® label
Option B			RESPONSIBLE BUSINESS by OEKO-TEX®	Through business communication

Certification – Labeling – Communication

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Learn More: Hohenstein.US/OEKO-TEX