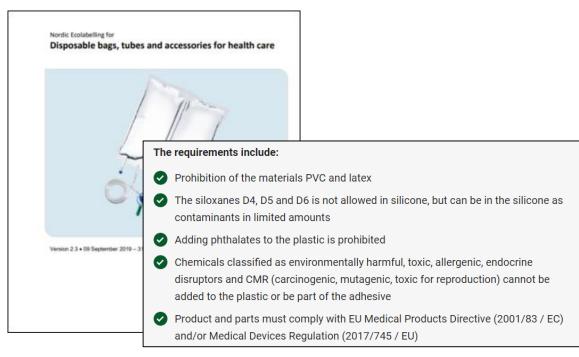






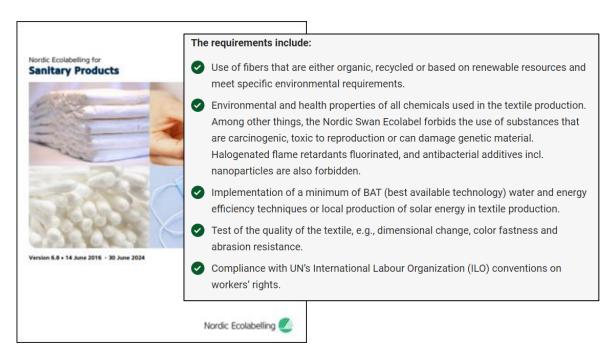
Use reputable, transparent third-party certifications when available



Peritoneal dialysis

Nordic Swan on all products (Vingmed AS)

The ISO 14024 standard is "a voluntary, multiple-criteria based, third party program that awards a license that authorizes the use of environmental labels on products indicating overall environmental preferability of a product within a particular product category based on life cycle considerations."



Hygiene products: infant/children diapers, incontinence care products, soaps/creams/toothpaste, disposable covers

Nordic Swan on all products



Ecolabeled products in use

MEDICAL TEXTILES CAN BE GROUPED INTO SEVEN CATEGORIES:7a



- HEALTHCARE AND HYGIENE PRODUCTS
 e.g. bedding, clothing, surgical gowns, wipes, and other disposable products
- EXTRACORPOREAL DEVICES
 e.g. artificial organs such as kidney, liver, lungs, or pacemakers.
- IMPLANTABLE MATERIALS
 e.g. sutures, vascular grafts, scaffolds.



- NON-IMPLANTABLE MATERIALS
 - e.g. wound dressings, bandages, plasters, pressure garments.
- INTELLIGENT MEDICAL AND HEALTHCARE TEXTILES



- TEXTILES IN HEALTHCARE ENVIRONMENTS
 e.g. furnishing fabrics, textiles in fixtures and fittings.
- ENVIRONMENTAL HYGIENE CONTROL COMPONENTS e.g. air filters.

This report provides an overview for healthcare and hygiene products only.

- Bedding
- Single use bedding for operations
- Clothing for staff and patients
- Single use clothing for patients
- Bandages
- Plasters
- Mattresses
- Furniture



The use of the European healthcare's phase out list for chemicals of concern



Health Care Without Harm Europe

European healthcare's phase-out list for chemicals of concern

29 November 2021

The European healthcare sector seeks to phase out chemicals of concern from supply chains and medical products and accelerate the phase-out of the highest priority chemicals of concern.

The healthcare sector will continue working with suppliers to achieve this goal. Exemptions to the criteria will be made when safer alternatives do not exist and when specially requested in tenders for essential use.

Chemicals of concern criteria:

Note limit values where indicated.

- Candidate list of substances of very high concern (SVHCS) All articles or component articles of a complex article do not contain substances listed on the <u>Candidate List</u> of the EU chemicals regulation REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals EC 1907/2005) over 0.1% veright by weight (w/w).
- Carcinogenic, mutagenic or substances toxic to reproduction (CMR substances of category 1A or 1B)- All articles in accordance with Article S2 and 10.4.1 of Annex I of the Medical Device Regulation (MDR)¹ do not contain substances which are CMR of category 1A or 1B in accordance with Part 3 of Annex VI to Regulation (EC) No 1272/2008 (CLP) over 0.1% (WW).
- Polyvinyl chloride (PVC) All articles or component articles of a complex article do not contain PVC.
- 4. Phthalates All articles or component articles of a complex article do not contain Phthalates listed on the Candidate List or <u>Restriction List</u>ⁱⁱⁱ of the REACH Regulation, nor on the <u>ChemSec SIN List</u>^{iv} over 0.1% (w/w).
- Candidate List echa.europa.eu/da/candidate-list-table
- ⁸ The MDR <u>eur-lex-europa-eu/legal-content/EN/TXT/PDF/?uri=CELEX-32017R0745</u> Endocrine-disrupting substances in the MDR are covered by the Candidate List and the restricted Phthalates.
- Restriction List: echa.europa.eu/da/substances-restricted-under-reach
- "ChemSec SIN List: sinlist.chemsec.org

Page 1 of 2

- 5. Bisphenols All articles or component articles of a complex article do not contain leachable Bisphenols (not bound to the material) exceeding a 0.1 ma/l (migration limit).
- Flame retardants All articles or component articles of a complex article
 do not contain flame retardants, unless specifically requested.

When flame retardancy is requested, substances on the Candidate List, the Restriction List, or the SIN List over 0.1% (w/w) should not be used.

- Antimicrobial agents All articles or component articles of a complex article do not contain intentionally added antimicrobial agents to reduce surface pathogens, unless specifically requested.
- Per- and polyfluoroalkyl substances (<u>PFAS</u>)" All articles or component articles of a complex article do not contain stain- or waterrepellent treatments that contain total <u>PFAS</u> over 0.3% (w/w).

^{*} PFAS, as defined by the OECD: <u>oecd.org/officialdocuments/publicdisplaydocumentpdf</u> /?cote=ENV/CBC/MONO/2021)25&docLanguage=en



Example: Medical textiles in most recent tender for operation products

<u>Delkontrakt 1</u>	Bordtoppdekking
Delkontrakt 2	C-buetrekk
Delkontrakt 3	Intraoperative ultralydprobetrekk
Delkontrakt 4	Kameratrekk
Delkontrakt 5	Lampehåndtaktrekk
<u>Delkontrakt 6</u>	Mikroskoptrekk
Delkontrakt 7	Kompresser og tupfere gas og nonwoven
<u>Delkontrakt 8</u>	Operasjonskompresser gas
<u>Delkontrakt 9</u>	Operasjonstupfere gas
Delkontrakt 10	Operasjonskompresser nonwoven
Delkontrakt 11	Assistansebordposer
Delkontrakt 12	Benposer
Delkontrakt 13	Dekkestykker
Delkontrakt 14	Hullduk
Delkontrakt 15	Innsnittsduker
Delkontrakt 16	Instrumentbordlaken
Delkontrakt 17	Operasjonstape
Delkontrakt 18	Oppdekkingsprodukter
Delkontrakt 19	Oppdekingssett
Delkontrakt 20	Slangeholder operasjon

Delkontrakt 21	Spesiallaken						
	·						
Delkontrakt 22	Splittlaken						
Delkontrakt 23	Litotomisett						
Delkontrakt 24	Sug- og diatermipose						
<u>Delkontrakt 25</u>	Transparente dekkeprodukter						
Delkontrakt 26	Væskeoppsamlingspose operasjon						
Delkontrakt 27	Instrumentposer						
Delkontrakt 28	Sugemunnstykker						
Delkontrakt 29	Sugeposer og beholdere med tilbehør						
Delkontrakt 30	Sugesett						
Delkontrakt 31	Sugeslanger						
Delkontrakt 32	Bomullspader og pinner						
Delkontrakt 33	Irrigasjonssett						
Delkontrakt 34	Kniv- og nålebokser						
Delkontrakt 35	Knivblad						
Delkontrakt 36	Martinsbind						
Delkontrakt 37	Merkepenn operasjon						
Delkontrakt 38	Tourniquet Blodtomhetsmansjett						
Delkontrakt 39	Skalpeller						
Delkontrakt 40	Leiringsprodukter, reimer						
Delkontrakt 41	Leringsprodukter, engangsputer og madrasse						

Example: Requirements to operation products

General requirements when submitting the tender

Sykehusinnkjøp's Restricted Substances List at the time:

Additional requirements:

- The Candidate List (SVHCs)
- Pthalates on the Candidate List, the Restriction List and the SIN
 List
- Bisphenols
- PVC
- Antimicrobial agents
- Latex

- PFAS
- Allergenic substances Rosin (CAS 8050-09-7, 8052-10-6, 73138-82-6) and Lanolin (CAS 8006-54-0

Exemptions to the general requirements, based on market dialogue:

- Products required to have (i) phased out substances on the Candidate List and Phtalathes by contract start and (i) award criteria on PVC with 40 % weighting (result: still in PVC)
 - 28 Sugemunnstykker
 - 30 Sugesett
 - 31 Sugeslanger
 - 37 Merkepenn operasjon

Additonal requirements for drapes

Award criteria on 20 % biobased material, top layer minimum 70% biobased, with 40 % weighting



Example of an environmental form

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1T-641	ACTIVITY GUARD HHT-641 PUMP 7XX EH	Ψ1	¥	H/A	Y	Y	٨,	H/A	٨,	Y, Palquarkanale/Kralae/ABS	Ψ'	н	H/A	
1T-117	AG HHT-117 SHOWER PACK SEPK PUMP EH	Υ¹	¥	H/A	Y	¥	٨,	H/A	٨,	Y, Palgribgicae	Ψ'	н	H/A	
C-LRE	PATTERY ACC-LREAPK ULTR AA EH	٧1	٧	H/A	٧	۸,	٧'	H/A	۸,	Y, Supplier Proprietary Information	Supplier Proprietary Information	н	H/A	
IT-625EU	PATTERY HHT-625EU 4PK AAA 1.5 EOC	Å1	٧	H/A	٧	٨,	٧'	H/A	٨,	Y, Supplier Proprietary Information	Supplier Proprietary Information	н	H/A	
:-258DE	PELT ACC-258PE PUMPWAIST PEIGE	Information in being	laformalisa in bring created	H/A	laformalisa in bring controlled	Information in bring	Information in bring	H/A	٨.	Y, Hylan/Palgarelliane	٧,	н	H/A	
C-458	PELT ACC-458 SPIBELT PROGHISIDS 1 DK SP	Information in bring	Y	H/A	Y	Information in bring	٧'	H/A	٧,	Y, Sapplier Praprielary Information	Sapplier Proprietary Information	н	H/A	
C-SE1LDK	DELT ACC-SBILDK PUMP COMPY LRG DK	Information in bring	¥	H/A	٧	laformalian in bring constaled.	۸,	H/A	۸.	Y, Sapplier Praprielary Information	Sapplier Praprielary Informalian	Н	H/A	
C-4527	CAP ACC-1527 BTRY PUMP REPLACEMENT	Y ¹	¥	H/A	٧	Ψ'	Ψ'	H/A	٨,	Y, PC/ABS	Ψ'	н	H/A	
C-268	CASE ACC-258 PUMP DEHIM BLUE	Information in bring	٧	H/A	۲	Information in bring	٧'	H/A	۸,	Y, Halan/Palarriksor/Palarairr/Palarikairor	۸,	н	H/A	
C-SHIPL	CASE ACC-SEEDL PUMP SPORTS PLUE	Information in bring	٧	H/A	٧	Information in bring	٧'	H/A	٨,	Y, Halan/Palarater/Palarethaur/Palarthateur	۸,	н	H/A	
C-5189K	Caur ACC-918DK Pamp Flip Lealber DK EH	Information in bring	laformalise in bring creareded	H/A	laformalisa in bring created	Informalian in bring	Information in bring	H/A	٨.	Y, Sapplier Praprielary Information	Sapplier Proprietary Information	н	H/A	
C-8850K	CASE ACC-888DK PUMP LEATHER MALE BLACK	Information in bring	٧	H/A	٧	Informalian in bring	٧'	H/A	÷	Y, Velsel	٧.	н	H/A	
C-B1BBK	CASE ACC-818BK PUMP HEOPREHE BLACK	Information in bring	¥	H/A	٧	Information in bring	٧,	H/A	÷	Y, Hrapress/Hylas/Rabber	*	н	H/A	
C-822BK	CASE ACC-822BK PUMP HGP 3.8ML BLK EH	Information in bring	¥	H/A	٧	Information in bring	٧,	H/A	÷	Y, Silianar	۲.	н	H/A	
C-BSSBK	CASE ACC-822BK PUMP HGP 3.8ML BLK EH	Information in bring	¥	H/A	¥	Information in bring	٧'	H/A	۸,	Y, Silianar	٧,	Н	H/A	
C-861PL	CASE ACC-861PL PUMP LEHNY 9.8ML PURPLE	Information in bring	laformalisa in bring crancaled.	H/A	laformalian in bring constaled.	laformalian in bring renoraled.	Information in bring	H/A	۸,	Y, Sapplier Praprielary Information	Sapplier Praprielarq Informalian	Н	H/A	
C-861DL	CASE, SILICOH, KIDS LEHHY 9.OHL, PLUE	Information in bring	laformalian in bring croscoled.	H/A	laformalian in bring conscaled.	Information in bring	reservical	H/A	٧.	Y, Supplier Proprietary Information	Sapplier Praprielarq Informalian	н	H/A	
C-8610R	CASE, SILICOH, LEHHY KIDS 9.OHL, ORANGE	Information in bring	laformalian in bring crosseled.	H/A	laformalian in bring conscaled.	laformalian in bring creareded.	Information in bring croscaled	H/A	۸,	Y, Sapplier Praprielary Information	Sapplier Praprielarq Informalian	Н	H/A	
C-1681	CLIP ACC-1681 PUMP HGP 29L	γI	¥	H/A	¥	Ψ'	Ψ'	H/A	٧'	Y, PC	Ψ'	н	H/A	
C-B4S	HARHESS ACC-84S PUMP CHILD RD/BK EH	Information in bring	laformalise in bring creareded	H/A	laformalisa in bring created	Information in bring	Information in bring	H/A	٨.	Y, Supplier Proprietary Information	Sapplier Proprietary Information	н	H/A	
C-845DL	HARHESS ACC-846DL PUMP TODDLER DLEH	Information in bring	laformalise in bring constaled	H/A	Information in bring		Information in bring	H/A	٨.	Y, Sapplier Praprielary Information	Supplier Proprietary Information	н	H/A	
HT-S42CI	UNISTED HHT.542CL DIIHD DDDCH 2YY	ul ul	· ·	H/A			u'	H/4	u'	V D-1	u'		H/A	

Exemptions when there is a medical reason (i.e. desired, not because of lack of alternatives on the market)



European healthcare's phase-out list for chemicals of concern

9 November 2021

The European healthcare sector seeks to phase out chemicals of concern from supply chains and medical products and accelerate the phase-out of the highest priority chemicals of concern.

The healthcare sector will continue working with suppliers to achieve this goal. Exemptions to the criteria will be made when safer alternatives do not exist and when specially requested in tenders for essential use.

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 REACH Regulation, nor on the <u>ChemSec SIN List</u>[®] over 0.1% (w/w).

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ts – All articles or component articles of a complex article me retardants, unless specifically requested.

dancy is requested, substances on the Candidate List, the

gents – All articles or component articles of a complex tain intentionally added antimicrobial agents to reduce s, unless specifically requested.

uoroalkyl substances (<u>PFAS</u>)" – All articles or es of a complex article do not contain stain- or water ints that contain total PFAS over 0.1% (w/w).

- Antibacterial agents
 - Antibacterial suturs (triclosan)
 - Antibacterial wound dressing (nanosilver)
- Latex gloves, when requested
- Flame retardency in furniture/curtains etc. in psychosomatic unit

* PFAS, as defined by the OECD: <u>oecd.org/officialdocuments/publicdisplaydocumentpdf</u> //cote=ENV/CBC/MONO/2021)25&docl.anguage=en

Candidate List echa.europa.eu/da/candidate-list-table

⁸ The MDR <u>eur-lex europa eu/legal-content/EN/TXT/PDF/?uri=CELEX:32017R0745</u>. Endocrine-disrupting substances in the MDR are covered by the Candidate List and the restricted Phthalates.

Restriction List: echa.europa.eu/da/substances-restricted-under-reach

[&]quot; ChemSec SIN List: sinlist.chemsec.org

Environmental concerns and opportunities

- Quantity in use
- Limitations to recycling (hazardous waste / complex products)
- Extend range of ecolabeled products
- Ensure adoptation of European healthcare's phase-out list to maintain current wins and increase product availability
- Product database / product passport with ingredients