

# APPROVED ALTERNATIVES TO PERFLUORINATED COMPOUNDS (PFC)

*In below table approved alternatives to PFCs are listed.*

*All alternatives on the list will be continuously evaluated in the aspect of new research and new information about the chemicals intrinsic properties.*

**Note!** The chemical products are approved from a chemical view only. Other requirements posed by H&M Group must be ensured by additional testing on the product/order.

## Introduction

From 1<sup>st</sup> of January 2013 all Perfluorinated Compounds (PFCs) are banned in all products regardless of product type produced for H&M Group. The ban is valid for all parts in H&M Chemical Restrictions.

Below is a table of approved alternatives to PFCs. Only these chemical products are allowed to be used on products for H&M Group as alternatives to PFCs.

Please observe that this table contains alternatives approved from a chemical view only. To ensure compliance to all other requirements posed by H&M Group on the product/order additional tests must be done.

## Versions of document

Version	Date	Changes Made	Page
1.1	2012-11-22	Original Document	
1.2	2013-10-03	Introduction text; Added Alternatives	1, 2
1.3	2015-04-29	Introduction text; Table; Added alternatives.	1, 2
1.4	2015-06-11	Alternative Ruco Dry Eco Plus added	1,2
1.5	2015-07-02	Alternative added	1,2
1.6	2015-09-25	Alternative added	1,2
1.7	2016-02-01	Small corrections reg. product names.	1,2

## 1 APPROVED ALTERNATIVES TO PERFLUORINATED COMPOUNDS

Only the chemical products listed below are allowed to be used as alternatives to Perfluorinated compounds (PFCs) on products for H&M Group.

Please observe that this table contains alternatives approved from a chemical view only. To ensure compliance to all other requirements posed by H&M Group on the product/order additional tests must be done.

This list will continuously be updated and evaluated in the aspect of new research and new information about the chemicals intrinsic properties.

Chemical Product	Chemical Supplier	Website
Arkophob 2150 liq <sup>1</sup>	Archroma	<a href="http://archroma.com/">http://archroma.com/</a>
Smartrepel Hydro CMD liq <sup>2</sup>	Archroma	
Smartrepel Hydro PM liq	Archroma	
HeiQ Barrier ECO	HeiQ Materials	<a href="http://heiq.com">http://heiq.com</a>
NT-X018	Nano-Tex, Inc	<a href="http://www.nanotex.com">http://www.nanotex.com</a>
OC-aquasil Tex	OrganoClick AB	<a href="http://www.organoclick.com">www.organoclick.com</a>
Phobotex RHP	Huntsman	<a href="http://www.huntsman.com">www.huntsman.com</a>
Phobotex RHW		
Phobotex RSH		
Ruco-Dry Eco Brand name: Bionic-Finish® Eco	Rudolf Chemie	<a href="http://www.rudolf.de">www.rudolf.de</a>
Ruco-Dry Eco Plus Brand name: Bionic-Finish® Eco	Rudolf Chemie	<a href="http://www.rudolf.de">www.rudolf.de</a>
Unidyne XF-5001	Daikin	<a href="http://www.daikin.com/">http://www.daikin.com/</a>
Unidyne XF-5002		
Zelan™ R3	Du Pont	<a href="http://www.dupont.com/">http://www.dupont.com/</a>
zeroF 1	CHT Bezema	<a href="http://www.cht-group.com">www.cht-group.com</a>
miDori evoPel NF	Beyond Surface Technologies AG	<a href="mailto:ehs@beyondst.com">ehs@beyondst.com</a>

Instead of "Common name: Bionic-Finish® Eco" for RUCO-DRY ECO we prefer "Brand name: Bionic-Finish® Eco". For RUCO-DRY ECO PLUS please add "Brand name: Bionic-Finish® Eco", too.

Any other PFC alternative than those listed must be approved by the chemists at Global Quality Department for H&M Group. So please contact the chemists at Global Product Compliance Department, [dlgpcdchemicalspecialists@hm.com](mailto:dlgpcdchemicalspecialists@hm.com), if there are any other suggestions.

<sup>1</sup> Not suitable for orders for babies 0-3 years

<sup>2</sup> Not suitable for orders for babies 0-3 years