

# Nudie Jeans Chemical Policy

## Restricted Substance List (RSL) Requirement on chemicals use in production (MRSL)

Version 2.0 December 2018

Nudie Jeans wants to contribute to a sustainable development through striving towards reducing the impact on the environment as far as is technically, economically and practically possible within the scope of our business. Nudie Jeans' environmental intention is to work with a production performing beyond the national legislation and EU legislation by endorsing voluntary schemes and choosing sustainable materials and production processes.

To meet the high environmental ambition of Nudie Jeans, we have strict requirements on both chemicals that can remain in the end product (*product related chemicals*), but also on chemicals used in the production (*process chemicals*). Requirement on product related chemicals are listed in the Restricted Substance List (RSL) and requirement on process chemicals are listed in the manufacturing Restricted Substance List (MRSL) – both referred to below.

In addition to following our RSL and our MRSL, we require that our supplier are updated on, and in compliance with, the EU legislation as well as any local or national laws applicable (see the section Legal Requirements below).

Our requirements are in line with best practices within the textile industry and legislation in our sales countries in and outside the EU. In case of differences between the legal requirements and the voluntary requirements referred to in this document, the stricter version should be applied.

### **Restricted Substance List (RSL)**

All Nudie Jeans products should live up to the requirements of the RSL of the Apparel and Footwear International RSL Management (AFIRM) Working Group. All Nudie Jeans supplier are responsible to be updated on the latest version of the AFIRM RSL that is available on the organizations homepage <https://www.afirm-group.com>

The AFIRM RSL lists both limits in the finished products, potential uses and testing methods that should be used when testing the materials. On the AFIRM homepage you can also find the *AFIRM Supplier Toolkit* developed to help suppliers implement the RSL.

### **Manufacturing Substance List (MRSL)**

All chemicals used in the production of Nudie Jeans' products should follow the *Manufacturing Restricted Substances List* (MRSL) created by the initiative *Zero Discharge of Hazardous Chemicals* (ZDHC). This list has been developed to facilitate the phase out of hazardous chemicals in production. The MRSL can be found on the ZDHC homepage: [www.roadmaptozero.com](http://www.roadmaptozero.com). Please note that the limits in the MRSL concerns the chemicals used in production, for limit values for the finished products, use the AFIRM RSL referred to above.

The ZDHC homepage provides detailed information on priority substances to help implementation of their MRSL. Several suppliers of textile chemicals also have *positive lists* for the ZDHC requirements, i.e. list of all their chemical products that live up to the requirements of the ZDHC initiative. Examples of chemicals companies now providing positive lists include: Longsheng, Transfar, Huntsman, DyStar, Bozzetto, Jintex, Matex, Ohyoung and RESIL.

## **Legal Requirement**

In addition to following the RSL and the MRS� mentioned above, we require that all our suppliers are updated on and follow the chemical legislation of the European Union. This entails that our suppliers should be continuously updated and comply with following legislations:

- REACH regulation EC No 1907/2006 including REACH Annex XVII, REACH Annex XIV and REACH Candidate list.
- Stockholm Convention on Persistent Organic Pollutants via (EC) 850/2004 (POPs).
- Biocidal Product Regulation EU No 528/2012.
- EU Directive 94/62/EC for packaging materials.

Substances from the Candidate List of Substances of Very High Concern for Authorisation (REACH Candidate list) published by the European Chemicals Agency (ECHA) should not be used in the production and should not be present in the products produced for Nudie Jeans in a higher concentration than 1000 ppm (unless stricter requirements are listed in other parts of this chemical policy).

## **Communicating Nudie Jeans' chemical policy to all relevant suppliers**

Nudie Jeans requires that our manufacturers make sure that their suppliers and subcontractors are informed and comply with the Nudie Jeans' chemical policy. To make sure this is implemented, suppliers of materials and trimmings as well as subcontractors should sign the Nudie Jeans' chemical policy. For fabric and trimmings sourced or nominated by Nudie Jeans, Nudie Jeans will be responsible to make sure they have signed the chemical policy. If not sure if a supplier has signed the Nudie Jeans' chemical policy, contact the Nudie Jeans sustainability department through [sustainability@nudiejeans.com](mailto:sustainability@nudiejeans.com).

## **Materials and substances of specific concern for Nudie Jeans**

On the next page Nudie Jeans has included a table to guide suppliers in their work with our chemical restrictions. In this table high risk chemicals are listed under categories showing in what material or processes used by Nudie Jeans these might be relevant. The chemicals listed in the guidance table on the next page are banned from intentional use in production of Nudie Jeans products and the limit value is the limit value to test against.

### *Abbreviations and explanation to the guidance table*

1 ppm (parts per million) = 1 mg/kg = 0,0001%

1000 ppm = 0,1% by weight

CMR = Carcinogenic, mutagenic or reproduction toxic

**Table of Materials and Substances of Specific Concern for Nudie Jeans**

Material / process		Banned Chemicals	Limit value	Comment
Relevant to Nudie Jeans	General description of material or process	- no intentional use		
Cotton	Dyed cotton cellulosic fibres such as cotton, hemp, flax, viscose etc.	Banned arylamines derived from azo dyes	20 ppm	Limit for each arylamine.
Polyester, nylon and Cordura	Dyed polyester, polyamide (e.g. nylon), acetate, triacetate, chlorofibres.	Banned arylamines derived from azo dyes	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments	20 ppm	
		Allergenic disperse dyes and Navy Blue	5 ppm	
Leather	Protein fibres and manmade materials such as leather, wool, silk and chromium dyed polyamide	Banned arylamines derived from azo dyes	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments	20 ppm	
		Formaldehyde	20 ppm	
		Chromium VI (Cr <sup>+6</sup> )	3 ppm	
		Chlorophenols	0.5 ppm	Limit for each chlorophenol.
		Allergenic disperse dyes and Navy Blue	5 ppm	
		Polycyclic Aromatic Hydrocarbons (PAHs)	1 ppm	1 ppm for each PAH, total 10 ppm.
Metal	Metal (incl. enamel coated), metal accessories/trims	Nickel	0.5 µg/cm <sup>2</sup>	Per week
		Lead and lead salt	90 ppm	As a metal in plastic and metallic trims.
		Cadmium and cadmium salts	1 ppm	
Coatings, prints	PVC, Polyurethane (PU) or rubber coatings and prints	PVC	Banned	Should not be present in Nudie Jeans products.
		Phthalate esters	500 ppm	500 ppm/phthalate. Total <1000 ppm in the material of interest (e.g. a print).
		Chlorinated Paraffins	Banned	Should not be present in Nudie Jeans products.
		Lead and lead salt	1 ppm	Should not be present in textile.
		Cadmium and cadmium salts	1 ppm	
		Dibutyltin compounds (DBT) + dioctyltin compounds (DOT)	1 ppm	
Treated textile and leather	Oil/dirt/water repellence, breathability, chemical shrink, wrinkle or antistatic treatment	Formaldehyde	20 ppm	
		Perfluoro octane carboxylic acid (PFOA) and related substances	1 µg/m <sup>2</sup> each	
		Perfluoro octane sulfonate (PFOS) and related substances	1 µg/m <sup>2</sup> each	
		Organic solvents: DMAC & Dimethylformamide (DMFa)	500 ppm	
Storage and transport		Allergenic fungicides (Dimethylfumarate - DMFu)	0,1 ppm	
		Fungicides (PCP, TeCP)	0,5 ppm	
		Permethrin (insecticide)	0.1 ppm	
		Fumigants (Methyl Bromide, Phosphine and Hydrogen cyanide.)	Banned	
Process chemicals of high concern	Washing, lubricant in spinning, dispersive agents in industrial chemicals, etc.	Alkylphenoletoxylates (APEO) such as nonylphenoletoxylates (NPEO) and oktylphenoletoxylates (OPEO)	100 ppm	
	Pigment prints, plastic or rubber accessories	Volatile Organic compounds (VOC)	No odour	5 ppm limit for Benzene
pH		Textiles	pH 4.0 - 8.5	
		Leather	pH 3.5 - 7.0	

# Nudie Jeans Chemical Policy Questionnaire

**Please send back to chemical responsible person at Nudie Jeans:**

Eliina Brinkberg  
Environmental Manager  
Nudie Jeans Co.  
Västra Hamngatan 6  
411 17 GÖTEBORG  
Sweden

Phone +46 10 151 56 49  
[Eliina@nudiejeans.com](mailto:Eliina@nudiejeans.com)

## **Questions to be answered by the supplier**

1. Do you have a contact person that is in charge of all issues concerning regulation and chemicals?

If yes, please give the full contact data of your contact:

2. Are there any REACH regulated substances from the Candidate list and annex XIV of your knowledge in articles that we buy from you?

3. Are there any REACH restricted substances from annex XVII of your knowledge in articles that we buy from you?

4. Are there any restricted substances in the POPs regulation of your knowledge in articles that we buy from you?

5. Are there any biocidal substances in articles that we buy from you?

6. Are any substances listed in the ZDHC *Manufacturing Restricted Substances List* used in your production processes?

7. If you answered yes to question 2-6, please list these substances by name and CAS RN.

# Confirmation of Compliance of Nudie Jeans Chemical Policy

## CONFIRMATION

We, a nominated supplier to Nudie Jeans, hereby confirm that we fully understand and will comply with the Nudie Jeans chemical policy to all orders placed by and made for Nudie Jeans from this time onwards.

We understand that we are responsible for communicating the Nudie Jeans chemical policy in our supply chain when Nudie Jeans has not nominated the supplier or sourced the material.

In case we, as a nominated supplier, cannot guarantee compliance with the Nudie Jeans chemical policy, we will contact Nudie Jeans immediately.

By signing this undertaking, we also agree that Nudie Jeans has the right to:

- Inspect and test any product and production process.
- Cancel an order or return the products to the supplier if the product does not comply with the chemical policy.
- Hold us as supplier responsible for any damage caused by the product if it does not follow the chemical policy.
- Receive the safety data sheets (SDS) for all substances and preparations used in the production.

In case of claims Nudie Jeans has the right to be fully compensated for financial losses and expenses.

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Company name

.....  
Authorized signature

.....  
Place and date