

NUDIE JEANS

Chemical Policy

Nudie JEANS co



Nudie Jeans Chemical Policy

RESTRICTED SUBSTANCE LIST (RSL)

REQUIREMENTS ON CHEMICAL USE IN PRODUCTION (MRSL)

INTRODUCTION

Nudie Jeans wants to contribute to sustainable development by endeavoring to reduce our environmental impact as far as is technically, economically and practically possible within the scope of our business. Nudie Jeans' environmental goal is for our production to perform beyond the national legislation and EU legislation by endorsing voluntary schedules and choosing sustainable materials and production processes.

To meet our high environmental goals, Nudie Jeans has stringent requirements on chemicals that can remain in the end product (product-related chemicals), and on chemicals used in production (process chemicals). Requirements for product-related chemicals are listed in the Restricted Substance List (RSL) and requirements for 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 our suppliers to be updated on and compliant with EU legislation as well as any applicable local or national laws (see Legal Requirements below).

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

RESTRICTED SUBSTANCE LIST (RSL)

All Nudie Jeans products should meet the requirements of the RSL of the Apparel and Footwear International RSL Management (AFIRM) Working Group. All Nudie Jeans suppliers are responsible for remaining up to date on the latest version of the AFIRM RSL, which is available at the organization's website <https://www.afirm-group.com>

The AFIRM RSL lists limits for finished products, potential uses, and testing methods that should be used when testing materials. The AFIRM website also has the AFIRM Supplier Toolkit, which was developed to help suppliers implement the RSL.

MANUFACTURING RESTRICTED SUBSTANCE LIST (MRSL)

All chemicals used in the production of Nudie Jeans products should follow the Manufacturing Restricted Substance List (MRSL) created by the initiative Zero Discharge of Hazardous Chemicals (ZDHC). This list was developed to facilitate the phase-out of hazardous chemicals in production. The MRSL can be found on the ZDHC website: www.roadmaptozero.com. Please note that the limits in the MRSL concern the chemicals used in production; for limit values for finished products, use the AFIRM RSL referred to above.

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

LEGAL REQUIREMENT

In addition to following the RSL and the MRSL mentioned above, we require all of our suppliers to be up to date on and compliant with the chemical legislation of the European Union. This means that our suppliers should be continuously up to date and compliant with the following legislation:

- 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 production and should not be present in the products produced for Nudie Jeans in a higher concentration than 1000 ppm (unless more stringent requirements are listed in other parts of this chemical policy).

We require all of our suppliers to be up to date on the Californian Safe Drinking Water and Toxic Enforcement Act of 1986, also known as Proposition 65, <https://oehha.ca.gov/proposition-65>. The chemical content of all products, or any part of a product, should be manufactured in such a way that no warning signs are required in accordance with the requirements of Proposition 65.

COMMUNICATION ON NUDIE JEANS' CHEMICAL POLICY TO ALL RELEVANT SUPPLIERS

Nudie Jeans requires our manufacturers to ensure that their suppliers and subcontractors are informed about and compliant with Nudie Jeans' chemical policy. To ensure this requirement is met, suppliers of materials and trimmings, as well as subcontractors, should sign Nudie Jeans' chemical policy. For fabric and trimmings sourced or nominated by Nudie Jeans, Nudie Jeans will be responsible for making sure they have signed the chemical policy. In the case of uncertainty about whether a supplier has signed Nudie Jeans' chemical policy, contact the Nudie Jeans sustainability department through sustainability@nudiejeans.com.

MATERIAL 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. This table lists high-risk chemicals under categories showing the materials or processes used by Nudie Jeans in which they may be relevant. The chemicals listed in the guidance table on the next page are banned from intentional use in the production of Nudie Jeans' products and the limit value is the limit value against which to test. All tests should be conducted according to the standards of the most recent AFIRM RSL.

Abbreviations and explanations for the guidance table

1 ppm (parts per million) = 1 mg/kg = 0.0001% by weight

1000 ppm = 0.1% by weight

CMR = Carcinogenic, mutagenic or reproduction toxic

ND = Not detectable

Copenhagen 2020-05-20
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Place and Date

John K.
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Signature Nudie Jeans CEO

TABLE OF MATERIALS AND SUBSTANCES OF SPECIFIC CONCERN FOR NUDIE JEANS

Material/process		Banned Chemicals - no intentional use	Limit value	Comment
Relevant to Nudie Jeans	General description of material or process			
Cotton	Dyed cotton cellulosic fibers such as cotton, hemp, flax, viscose etc.	Banned arylamines derived from azo dyes	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments	ND	
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	ND	
		Allergenic disperse dyes and Navy Blue	ND	
Leather	Protein fibers 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 ¹	
		Chromium VI (Cr+6)	3 ppm	
		Chlorophenols	0.5 ppm	Limit for each chlorophenol.
		Allergenic disperse dyes and Navy Blue	ND	
		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 ²	Per week
		Lead and lead salt	90 ppm	As a metal in plastic and metallic trims.
		Cadmium and cadmium salts	1ppm	
Coatings, prints	PVC, Polyurethane (PU) or rubber coatings and prints	PVC	ND	
		Phthalate esters	500 ppm	500 ppm/phthalate. Total <1000 ppm in the material of interest (e.g. a print).
		Chlorinated Paraffins	ND	
		Lead and lead salt	1 ppm	
		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 ² each	
		Perfluoro octane sulfonate (PFOS) and related substances	1 µg/m ² 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)	0.5 ppm	
		Fumigants (Methyl Bromide, Phosphine and Hydrogen cyanide.)	ND	
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 odor	5 ppm limit for Benzene
pH		Textiles	pH 4.0 - 8.5	
		Leather	pH 3.5 - 7.0	

1.Exception Jacron. Follow European limit 75 ppm.

Nudie Jeans Chemical Policy Questionnaire

Please send back to the person in charge of chemicals at Nudie Jeans:

Eliina Brinkberg
Environmental Manager
Nudie Jeans Co.
Västra Hamngatan 6
411 17 GOTHENBURG
Sweden
Phone +46 10 151 56 49
Eliina@nudiejeans.com

Questions to be answered by the supplier

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

If yes, please provide complete contact information

2. To your knowledge, are there any REACH-regulated substances from the Candidate list and annex XIV in items that we buy from you?

3. To your knowledge, are there any REACH-restricted substances from annex XVII in items that we buy from you?

4. To your knowledge, are there any restricted substances in the POPs regulation in items that we buy from you?

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

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

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



Confirmation of Compliance with the 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 on all orders placed by and made for Nudie Jeans from this time forward.

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 agreement, 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 process.
- In the event of claims, Nudie Jeans has the right to be fully compensated for financial losses and expenses.

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Company name

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Authorized signature

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Place and date