

NUDIE JEANS

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# Chemical Policy

Nudie JEANS co



# Nudie Jeans Chemical Policy

## RESTRICTED SUBSTANCE LIST (RSL) REQUIREMENTS ON CHEMICAL USE IN PRODUCTION (MRSL)

Nudie Jeans contributes 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). Requirements on product related chemicals are listed in the Restricted Substance List (RSL) and requirements on process chemicals are listed in the Manufacturing Restricted Substance List (MRSL) – both referred to below.

In addition to following our RSL and the referred MRSL, we require that our suppliers 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 organization's homepage <https://www.afirm-group.com>. In case of differences between AFIRM's limit values and Nudie Jeans limit values below, the stricter version should be applied. GOTS standard 6.0 have been used as reference for some of the limit values for the chemicals listed below, as a step towards closing the gap between GOTS requirements and Nudie Jeans requirements.

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 RESTRICTED 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.

Nudie Jeans do not permit the use of chemicals containing animal derivatives in the production of non- animal related textiles. This does not apply to the production of leather and wool garments.

## LEGAL REQUIREMENT

In addition to following Nudie Jeans RSL and the MRSL 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).

We require all our supplier to be updated on the Californian Safe Drinking Water and Toxic Enforcement Act of 1986, also known as Proposition 65. <https://oehha.ca.gov/proposition-65> This means that the chemical content in all products, or any part of a product, should be manufactured in a way that no warning signs is needed according to the requirement of Proposition 65.

## COMMUNICATION ON 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).

## 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. 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. All tests should be carried out according to standards listed in 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

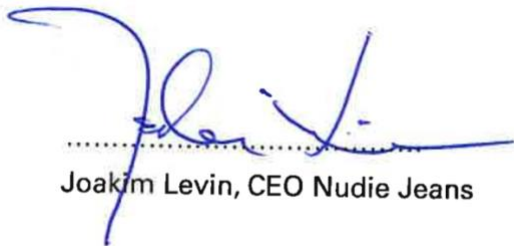
ND = Not detectable

Place:

Årtecberg

Date:

18/4 - 2024



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Joakim Levin, CEO Nudie Jeans

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 (See appendix 1)	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments (See appendix 2)	30 ppm	
		Anilin	50 ppm	The sum of cleavable aniline and of possibly also as chemical residue present free aniline.
Polyester, nylon and Cordura	Dyed polyester, polyamide (e.g. nylon), acetate, triacetate, chlorofibres.	Banned arylamines derived from azo dyes (See appendix 1)	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments (See appendix 2)	30 ppm	
		Allergenic disperse dyes and Navy Blue (See appendix 3)	30 ppm	
		Quinoline	50 ppm	
Leather	Protein fibers and manmade materials such as leather, wool, silk and chromium dyed polyamide	Banned arylamines derived from azo dyes (See appendix 1)	20 ppm	Limit for each arylamine.
		CMR classified dyestuffs and pigments (See appendix 2)	30 ppm	
		Formaldehyde	16 ppm <sup>1</sup>	
		Chromium VI (Cr <sup>+6</sup> )	3 ppm / 1 ppm	Extractable: Leather: 3ppm, Textile: 1ppm
		Chlorophenols	0.5 ppm	Limit for each chlorophenol.
		Allergenic disperse dyes and Navy Blue (See appendix 3)	30 ppm	
		Polycyclic Aromatic Hydrocarbons (PAHs)	1 ppm	1 ppm for each PAH, total 10 ppm.
Metal	Metal (incl. enamel coated), metal accessories/trims	Nickel	0.28 µg/cm <sup>2</sup>	Per week
		Lead and lead salt	90 ppm	Total value as a metal in plastic and metallic trims.
		Cadmium and cadmium salts	75 ppm	Total value as a metal in plastic and metallic trims.
Coatings, prints	PVC, Polyurethane (PU) or rubber coatings and prints	PVC	1 ppm	
		Phthalate esters	500 ppm	500 ppm/phthalate. Total <1000 ppm in the material of interest (e.g. a print).

		Chlorinated Paraffins	50 ppm	
		Lead and lead salt	1 ppm	Extractable: 1 ppm. Total 90 ppm
		Cadmium and cadmium salts	0.1 ppm	Extractable: 0.1 ppm. Total 40 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	16 ppm	
		Perfluoro octane carboxylic acid (PFOA) and related substances	25 ppb	
		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)	0.5 ppm	
		Fumigants (Methyl Bromide, Phosphine and Hydrogen cyanide.)	Usage 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 <sup>2</sup>	
	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.
2. Following exception in REACH for recycled fiber.

# Nudie Jeans Chemical Policy Questionnaire

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

Eliina Brinkberg  
Climate & Environmental Manager  
Nudie Jeans Co.  
Västra Hamngatan 6  
411 17 GOTHENBURG  
Sweden  
Phone: +46 73 618 05 21  
Email: 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?  
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\_\_\_\_\_
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.

.....  
Company name

.....  
Authorized signature

.....  
Place and date



# Nudie Jeans Chemical Policy Appendix 1, 2 and 3

April 2024

## Appendix 1

Banned arylamines

Name	CAS No
4,4-Methylene-bis[2-chloro-aniline]	101-14-4
4,4-Methylenedianiline	101-77-9
4,4'-oxydianiline	101-80-4
4-chloroaniline	106-47-8
o-Dianisidine	119-90-4
4,4'-bi-o-toluidine	119-93-7
p-Cresidine	120-71-8
2,4,5-trimethylaniline	137-17-7
4,4'-thiodianiline	139-65-1
2,4,5-trimethylaniline hydrochloride	21436-97-5
4-chloro-o-toluidinium chloride	3165-93-3
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7
2-Naphthylammoniumacetate	553-00-4
4-Aminoazobenzene	60-09-3
p-Aminoazobenzene	60-09-3
4-methoxy-m-phenylenediamine	615-05-4
2,4-Diaminoanisole	615-05-4
4,4-Methylenedi-o-toluidine	838-88-0
2,6 Xylidine	87-62-7
o-Anisidine	90-04-0
2-Naphthylamine	91-59-8
3,3-Dichlorobenzidine	91-94-1
Biphenyl-4-ylamine	92-67-1
Benzidine	92-87-5
o-Toluidine	95-53-4
2,4 Xylidine	95-68-1
4-Chloro-o-toluidine	95-69-2
4-methyl-m-phenylenediamine	95-80-7
o-Aminoazotoluene	97-56-3
5-Nitro-o-toluidine	99-55-8

## Appendix 2

### Carcinogenic dyes

CI Name	CAS No
C.I. Acid Red 26	3761-53-3
C.I. Basic Blue 26	2580-56-5*
C.I. Basic Green 4	569-64-2, 2437-29-8, 10309-95-2
C.I. Basic Red 9	569-61-9**
C.I. Basic Violet 3	548-62-9*, **
C.I. Basic Violet 14	632-99-5
C.I. Direct Black 38	1937-37-7*
C.I. Direct Blue 6	2602-46-2
C.I. Direct Red 28	573-58-0*
C.I. Direct Brown 95	16071-86-6
C.I. Disperse Blue 1	2475-45-8**
C.I. Disperse Orange 11	82-28-0
C.I. Disperse Orange 149	85136-74-9
C.I. Disperse Yellow 3	2832-40-8
C.I. Solvent Blue 4	6786-83-0*
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1*
4-Dimethylaminoazobenzene (Solvent Yellow 2)	60-11-7
Michler's base 1	01-61-1*
C.I. Acid Violet 49	1694-09-3
C.I. Basic Violet 1	8004-87-3

\* SVHC substances, Note that substances on the Candidate list (SVHC) are also included in the FrenchAGEC legislation (LOI n° 2020-105)

\*\* Restricted in REACH annex XVII, entry 72

**Appendix 3**  
Allergenic dyestuffs  
and Navy Blue

CI Name	CAS No
C.I Disperse Blue 1	2475-45-8*
C.I. Disperse Blue 3	2475-46-9
C.I. Disperse Blue 7	3179-90-6
C.I. Disperse Blue 26	3860-63-7
C.I. Disperse Blue 35	12222-75-2*
C.I. Disperse Blue 102	12222-97-8
C.I. Disperse Blue 106	12223-01-7*, 68516-81-4
C.I. Disperse Blue 124	61951-51-7*
C.I Disperse Blue 291	56548-64-2
C.I. Disperse Brown 1	23355-64-8
C.I. Disperse Orange 1	2581-69-3
C.I. Disperse Orange 3	730-40-5*
C.I Disperse Orange 11	82-28-0
C.I. Disperse Orange 37/59/76	13301-61-6*
C.I Disperse Orange 149	85136-74-9
C.I. Disperse Red 1	2872-52-8*
C.I. Disperse Red 11	2872-48-2
C.I. Disperse Red 17	3179-89-3
C.I Disperse Red 151	61968-47-6
C.I. Disperse Yellow 1	119-15-3
C.I. Disperse Yellow 3	2832-40-8*
C.I Disperse Yellow 7	6300-37-4
C.I. Disperse Yellow 9	6373-73-5
C.I Disperse Yellow 23	6250-23-3
C.I. Disperse Yellow 39	12236-29-2
C.I. Disperse Yellow 49	54824-37-2
C.I Disperse Yellow 56	54077-16-6
C.I Disperse Yellow 64	10319-14-9
C.I Disperse Violet 1	128-95-0
C.I Disperse Violet 93	122463-28-9, 52697-38-8, 268221-71-2
Navy Blue	405-665-4 (EC #)

\*Disperse dyes banned in Germany